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United States Environmental Protection Agency
Region 4



35TH AVENUE REMOVAL INVESTIGATION
BIRMINGHAM, ALABAMA
JEFF CROWLEY, ON-SCENE COORDINATOR

FIELD SAMPLING LOGBOOK

Book 1 of

Inclusive Dates: 12/25/13 → 3/1/13

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
(b) (6)	OTIE	, Team Leader
	OTIE	
	OTIE	

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Sampling Procedures and Methodology

Unless specified elsewhere in this logbook, all soil samples will be collected in accordance with the EPA Science and Ecosystem Division (SESD) Field Branches Quality System and Technical Procedures (FBQSTP) Soil Sampling (SESDPROC-300-R2) based on the following design.

The total number of 5-point composite surface soil samples (0-4 inches below ground surface) to be collected from each property will be based on the lot size as follows:

- For residential properties with a total parcel lot size equal to or less than (\leq) 5,000 square feet - the front yard and back yards of each property. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may also be collected from the side yard. Aliquots will be collected away from influences with drip lines and burn areas in a five dice configuration (each of the four corners and the center).
- For residential properties with a total parcel lot size greater than ($>$) 5,000 square feet and $\leq \frac{1}{4}$ -acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over $\frac{1}{4}$ -acre in parcel lot size will be divided into $\frac{1}{4}$ -acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

Grab surface soil samples will be collected from apparent exposure pathways where active play sets are located.

Three-point composite surface soil samples will be collected from distinct vegetable gardens from each residential property.

Samples shall not be collected under paved areas or under stationary fixed structures.

Grab sediment samples will be collected in accordance with EPA SESD FBSTP Sediment Sampling (SESDPROC-200-R2) from any surface water drainage pathways located on individual properties, as directed by the OSC, and in and along the banks of the 34th Street North Ditch.

Each surface soil or sediment sample should be homogenized in a stainless steel bowl. One 8-ounce jar will be filled and the remaining sample material will be placed in zip-top bags for screening. Information identifying the location, sample, and date/time will be inscribed on each jar and zip-top bag.

All sample bags will be screened for metals in accordance with SESD FBQSTP Field XRF Measurement (SESDPROC-107-R2) using a Niton XRF. The sample will be dried before sieving or analysis is performed. Once the sample has dried, the sample will be divided into two subsamples; one subsample will be sieved through a #10 screen (2 mm) and the other will be left unsieved. Once separated into sieved and unsieved samples, the zip-top bag will be compressed by folding over the excess plastic and removing as much air and space from the sample as possible. The XRF will be placed directly on the exterior of the compressed sample in the plastic zip-top bag to measure metals concentrations. Following XRF screening, the unsieved portion of the sample material will be containerized into one 8-ounce jars and the sieved portion of the sample will be containerized into another 8-ounce jar.

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Based on the site DQOs the 8-ounce jars of surface soil and sediment samples should be submitted to PEL, Tampa, Florida (a NELAC certified laboratory) for low level PAH, and/or TCL SVOC, RCRA metals, PCB, and/or Hexavalent Chromium analysis. RCRA metals will be analyzed from both the sieved and unsieved portions of the sample. All other analysis will be conducted on the unsieved portion.

The location of each aliquot will also be logged in accordance with SESD FBQSTP Global Positioning System (SESDPROC- 110-R3) using a Trimble GPS.

A description of the color and texture of the aliquot material will be recorded in each box.

The **station ID** for each location will consist of seven characters, beginning with the six digit Property ID designation for the property followed by a alphabetic letter beginning with “A”.

e.g. CV0001A would be the station ID for the front yard 5-pt composite sample collected at the property with Property ID CV0001.

The **sample ID** for each sample is the station ID with “CS” (composite soil), “GS” (grab soil), “SD” (sediment), or “SW” (surface water) appended, therefore, the sample ID for this sample would be CV0001A-CS. Co-located duplicates will be designated by appending a “D” to the end of the sample ID. Pan splits will be identified by appending an “SP” to the end of the sample ID.

(b) (6)

ADDRESS: (b) (5) PROPERTY ID: CV0833

PROPERTY ID: CV 0835

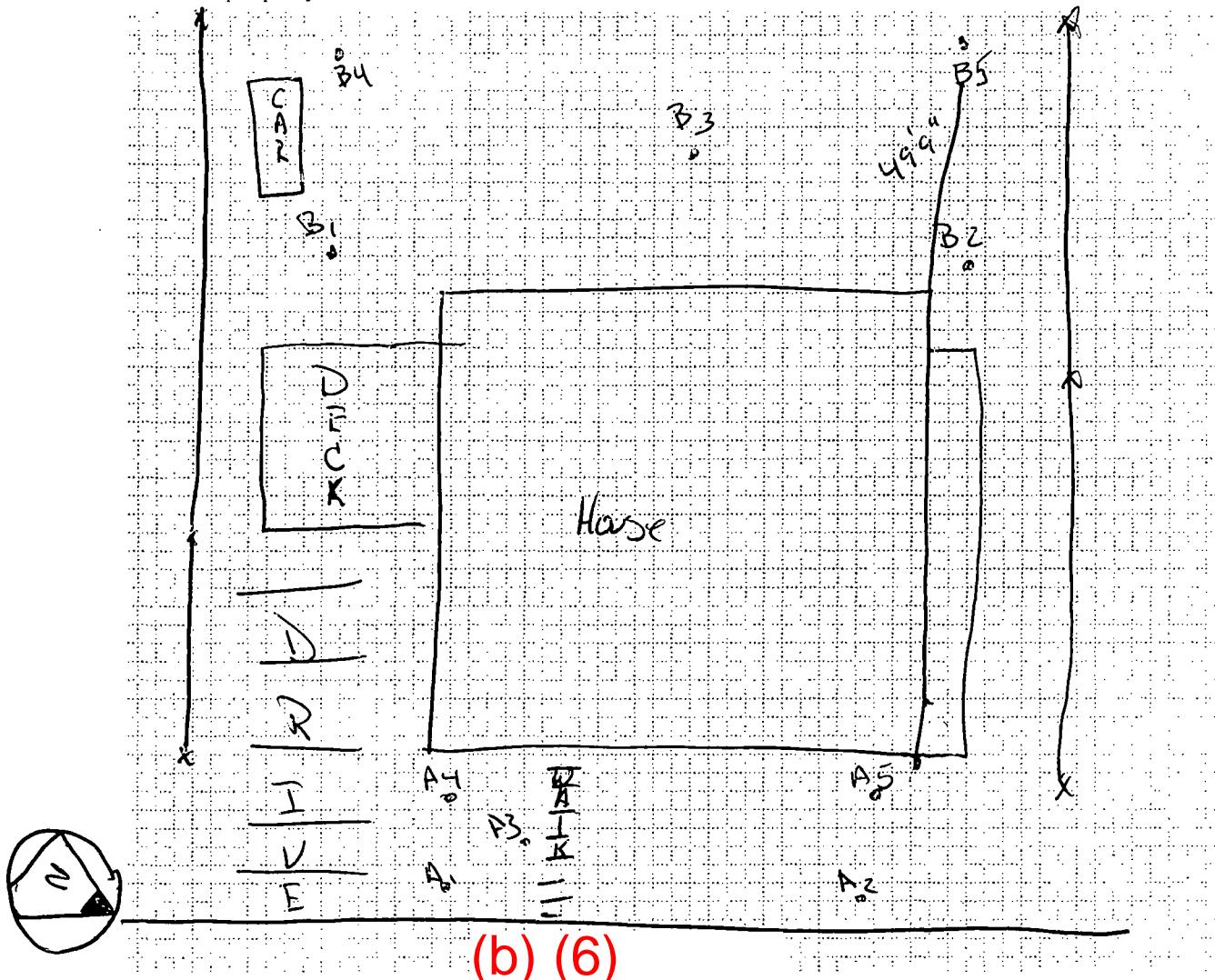
DATE: 2-26-13 ARRIVAL TIME: 0845

Other pertinent information (weather conditions, etc.):

Answers to 500 See

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0835

SAMPLE ID: CV0835A-CG-SP

SAMPLE COLLECTION TIME: 0900

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard.

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0835A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1: Latitude:	<u>33.55357094</u>	N Longitude <u>86.79652385</u> W
Media description:	<u>wet silty Clay Brown</u>	
Aliquot #2 Latitude:	<u>33.55356516</u>	N Longitude <u>86.79660269</u> W
Media description:	<u>wet silty clay Brown</u>	
Aliquot #3: Latitude:	<u>33.55355562</u>	N Longitude <u>86.79654613</u> W
Media description:	<u>wet silty clay Brown</u>	
Aliquot #4: Latitude:	<u>33.55354180</u>	N Longitude <u>86.79651627</u> W
Media description:	<u>wet silty clay Brown w/ Coal Fragments</u>	
Aliquot #5: Latitude:	<u>33.55354575</u>	N Longitude <u>86.79659612</u> W
Media description:	<u>wet silty clay Brown</u>	

STATION ID: CV0835

SAMPLE ID: CV0835B-CG-SP

SAMPLE COLLECTION TIME: 0911

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Backyard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0835B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1: Latitude:	<u>33.55335139</u>	N Longitude <u>86.79649371</u> W
Media description:	<u>wet Brown silty Clay</u>	
Aliquot #2 Latitude:	<u>33.55336589</u>	N Longitude <u>86.79658930</u> W
Media description:	<u>wet Brown silty clay</u>	
Aliquot #3: Latitude:	<u>33.55330868</u>	N Longitude <u>86.79654674</u> W
Media description:	<u>wet Brown silty clay</u>	
Aliquot #4: Latitude:	<u>33.55325725</u>	N Longitude <u>86.79652364</u> W
Media description:	<u>wet Brown silty clay</u>	
Aliquot #5: Latitude:	<u>33.55325946</u>	N Longitude <u>86.79657645</u> W
Media description:	<u>wet Brown silty clay</u>	

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0956

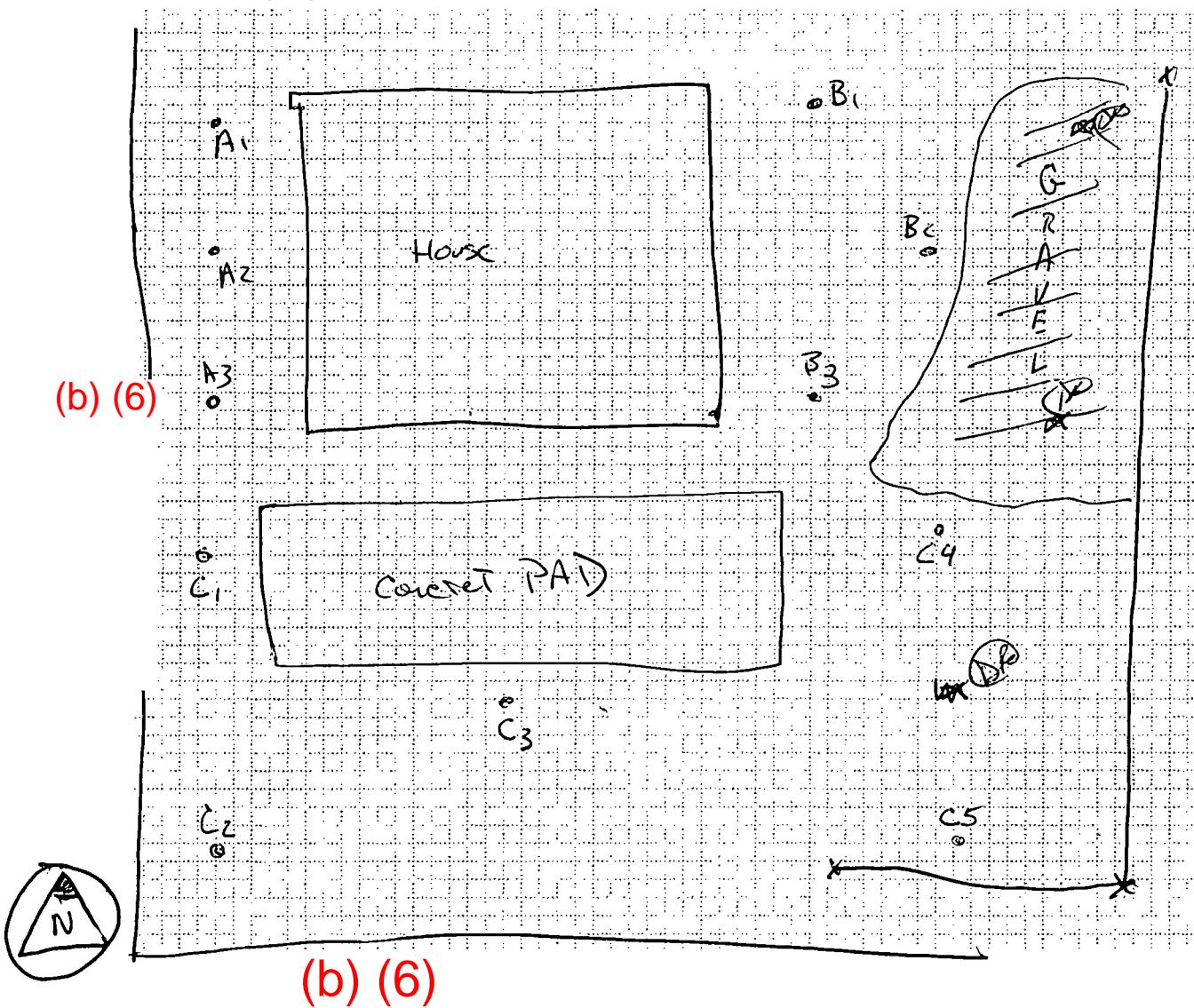
DATE: 2-26-13 ARRIVAL TIME: 0925

Other pertinent information (weather conditions, etc.):

50° cold overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0956 SAMPLE ID: CV0956A-CS-SP

SAMPLE COLLECTION TIME: 0955

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front Yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0956A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude:	<u>33.5531925</u>	N Longitude <u>86.79830316</u> W
	Media description:	<u>Wet Brown s.1 ft Soil</u>	
Aliquot #2:	Latitude:	<u>33.55314611</u>	N Longitude <u>86.79829056</u> W
	Media description:	<u>Wet Brown s.1 ft Soil</u>	
Aliquot #3:	Latitude:	<u>33.55311372</u>	N Longitude <u>86.79829518</u> W
	Media description:	<u>Wet Brown s.1 ft Soil</u>	
Aliquot #4:	Latitude:	<u> </u>	N Longitude <u> </u> W
	Media description:	<u> </u>	
Aliquot #5:	Latitude:	<u> </u>	N Longitude <u> </u> W
	Media description:	<u> </u>	

STATION ID: CV0956 SAMPLE ID: CV0956B-CS-SP

SAMPLE COLLECTION TIME: 0957

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back Yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0956B

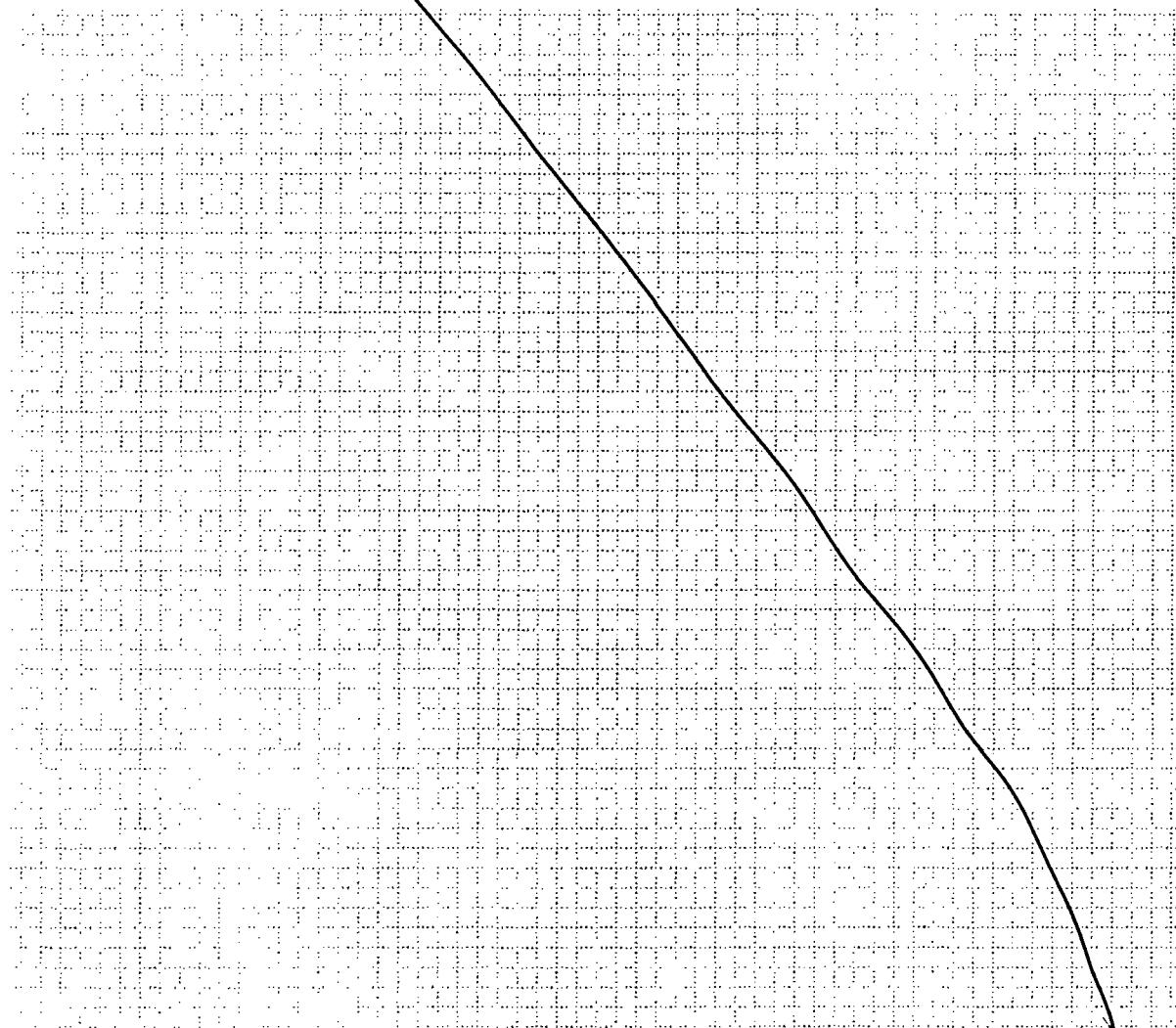
GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude:	<u>33.55318364</u>	N Longitude <u>86.79808320</u> W
	Media description:	<u>Wet Brown s.1 ft Soil & Coal</u>	
Aliquot #2:	Latitude:	<u>33.5531432</u>	N Longitude <u>86.79804261</u> W
	Media description:	<u>Wet Brown s.1 ft Soil & Coal</u>	
Aliquot #3:	Latitude:	<u>33.55311629</u>	N Longitude <u>86.79809087</u> W
	Media description:	<u>Wet Brown s.1 ft Soil & Coal</u>	
Aliquot #4:	Latitude:	<u> </u>	N Longitude <u> </u> W
	Media description:	<u> </u>	
Aliquot #5:	Latitude:	<u> </u>	N Longitude <u> </u> W
	Media description:	<u> </u>	

ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch


STATION ID: CV0956 SAMPLE ID: CV0956C-CS-5P

SAMPLE COLLECTION TIME: 1010

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

SIDE YARD.

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0951C

GPS Coordinates:	Trimble <u>M</u>	Instrument #:	<u>020168</u>	Logged?	Y or N
Aliquot #1:	Latitude:	<u>33.55306820</u>	N Longitude	<u>86.29828524</u>	W
	Media description:	<u>Brown S.Ity Soil w/ Gravel Damp</u>			
Aliquot #2	Latitude:	<u>33.55294053</u>	N Longitude	<u>86.29821526</u>	W
	Media description:	<u>Brown silty soil w/ Gravel Damp?</u>			
Aliquot #3:	Latitude:	<u>33.55298957</u>	N Longitude	<u>86.29813407</u>	W
	Media description:	<u>Brown s.ity Clay wet</u>			
Aliquot #4:	Latitude:	<u>33.55305234</u>	N Longitude	<u>86.29806026</u>	W
	Media description:	<u>Brown / Tan S.ity Soil with coal fragment Damp</u>			
Aliquot #5:	Latitude:	<u>33.55294533</u>	N Longitude	<u>86.29804119</u>	W
	Media description:	<u>Dark Brown s.ity gravel with coal fragment wet</u>			

~~STATION ID: _____ SAMPLE ID: _____~~

~~SAMPLE COLLECTION TIME: _____~~

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection:	Composite	or	Grab	MS/MSD?	Y or N
Field Duplicate or Split:	Yes	or	No	If yes, indicate Duplicate/split sample station ID:	<u>_____</u>
GPS Coordinates:	Trimble []	Instrument #:		Logged?	Y or N
Aliquot #1:	Latitude:		N Longitude		W
	Media description:				
Aliquot #2	Latitude:		N Longitude		W
	Media description:				
Aliquot #3:	Latitude:		N Longitude		W
	Media description:				
Aliquot #4:	Latitude:		N Longitude		W
	Media description:				
Aliquot #5:	Latitude:		N Longitude		W
	Media description:				

(b) (6)

ADDRESS:

PROPERTY ID: CV0754

DATE: 2-26-13

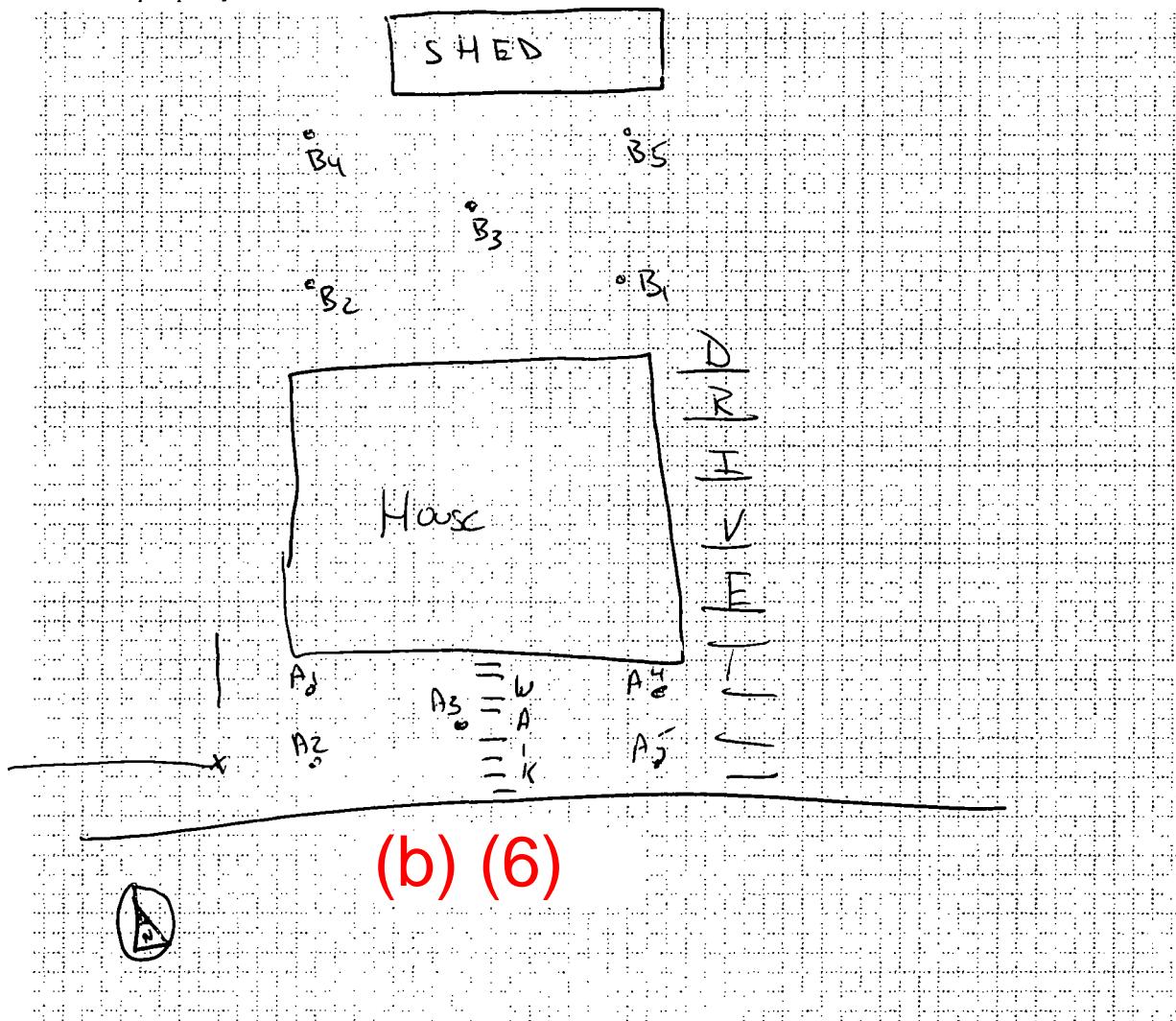
ARRIVAL TIME: 1020

Other pertinent information (weather conditions, etc.):

50° windy cold

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0754 SAMPLE ID: CV0754A-CS-SP

SAMPLE COLLECTION TIME: 1037

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard.

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0754A

GPS Coordinates:	Trimble <u>W</u> Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude: <u>33.55285130</u> N Longitude <u>86.79694196</u> W	
	Media description: <u>Brown siltly wet soil</u>	
Aliquot #2:	Latitude: <u>33.55284315</u> N Longitude <u>86.79682189</u> W	
	Media description: <u>Brown silty mucky soil damp</u>	
Aliquot #3:	Latitude: <u>33.55287088</u> N Longitude <u>86.79688496</u> W	
	Media description: <u>Brown siltly wet soil</u>	
Aliquot #4:	Latitude: <u>33.55288885</u> N Longitude <u>86.79693858</u> W	
	Media description: <u>Brown silt wet soil</u>	
Aliquot #5:	Latitude: <u>33.55287401</u> N Longitude <u>86.79681404</u> W	
	Media description: <u>Brown silty Clay damp</u>	

STATION ID: CV0754 SAMPLE ID: CV0754B-CS-SP

SAMPLE COLLECTION TIME: 1043

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard.

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV073413

GPS Coordinates:	Trimble <u>W</u> Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude: <u>33.55305420</u> N Longitude <u>86.79682812</u> W	
	Media description: <u>Dark Brown Silt soil</u>	
Aliquot #2:	Latitude: <u>33.55304973</u> N Longitude <u>86.79692432</u> W	
	Media description: <u>Dark Brown Silt soil</u>	
Aliquot #3:	Latitude: <u>33.55308759</u> N Longitude <u>86.79688312</u> W	
	Media description: <u>Sand</u>	
Aliquot #4:	Latitude: <u>33.55308259</u> N Longitude <u>86.79688312</u> W	
	Media description: <u>Dark Brown Silt soil</u>	
Aliquot #5:	Latitude: <u>33.55312961</u> N Longitude <u>86.79682626</u> W	
	Media description: <u>Brown / Orange Clay</u>	

(b) (6)

ADDRESS:

PROPERTY ID: CV0755

DATE: 2-26-13

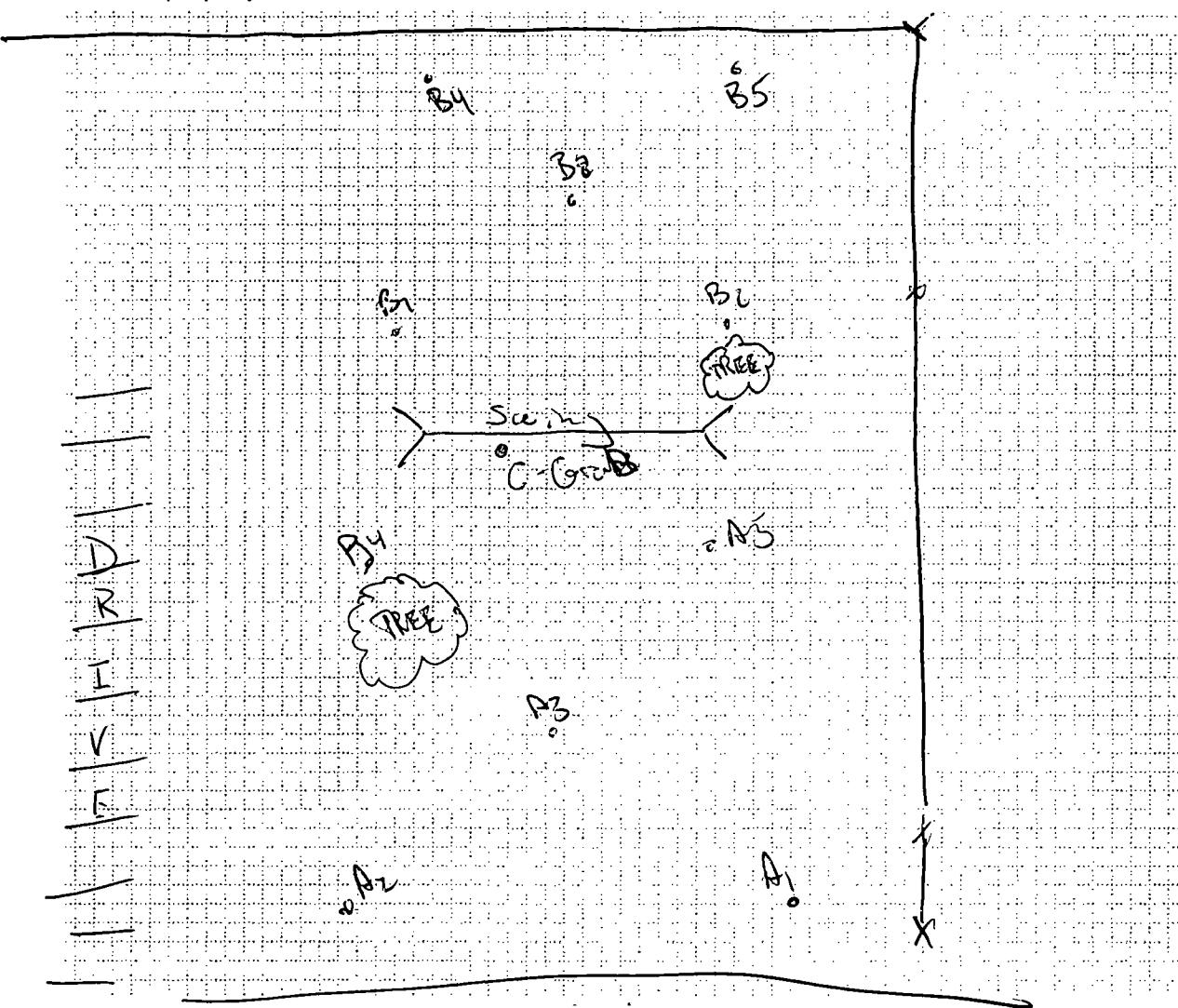
ARRIVAL TIME: 1051

Other pertinent information (weather conditions, etc.):

45° cold windy

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV0755 SAMPLE ID: CV0755A-CS-SP

SAMPLE COLLECTION TIME: 1055

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front of side yard.

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [V] Instrument #:	020168	Logged? Y or N
Aliquot #1: Latitude:	Brown clay 33.55285324	N Longitude 86.79663163 W
Media description:	Brown/orange clay - Damp	
Aliquot #2 Latitude:	33.55285324	N Longitude 86.79663163 W
Media description:	Same AS 1	
Aliquot #3: Latitude:	33.55291089	N Longitude 86.79667145 W
Media description:	Same AS 1	
Aliquot #4: Latitude:	33.55297263	N Longitude 86.7960956 W
Media description:	Dark Brown Silt Clay - Dry	
Aliquot #5: Latitude:	33.55297876	N Longitude 86.79663430 W
Media description:	Dark Brown Silt Clay - Wet	

STATION ID: CV0755 SAMPLE ID: CV0755B-CS-SP

SAMPLE COLLECTION TIME: 1104 11/6

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back of side yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0755B

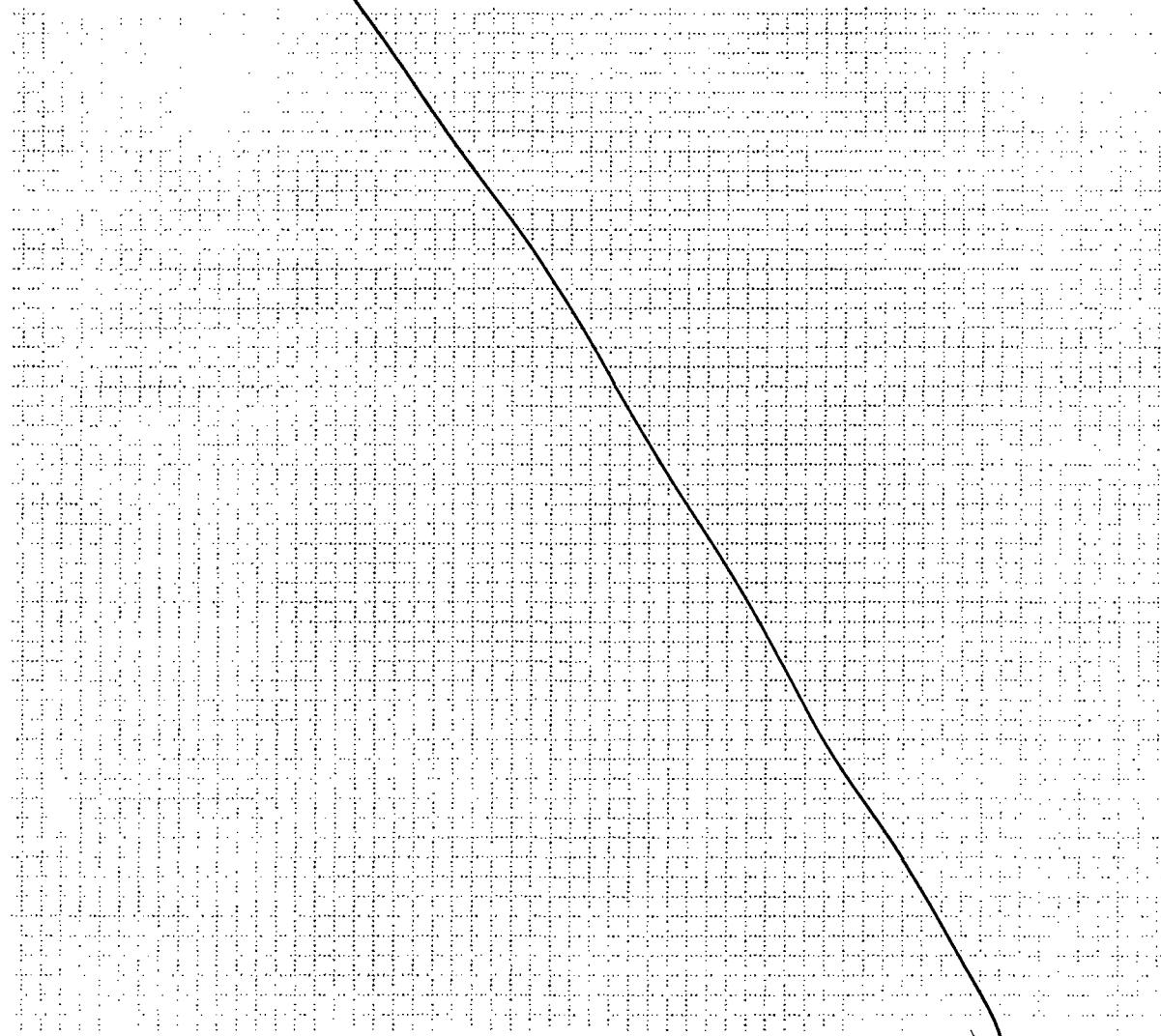
GPS Coordinates: Trimble [V] Instrument #:	020168	Logged? Y or N
Aliquot #1: Latitude:	33.55303922	N Longitude 86.79671673 W
Media description:	Dark Brown Silt Clay w/ Gravel	
Aliquot #2 Latitude:	33.55304980	N Longitude 86.79664633 W
Media description:	Dark Brown Silt Clay w/ Gravel	
Aliquot #3: Latitude:	33.55309625	N Longitude 86.79668619 W
Media description:	Dark Brown Silt Clay w/ Gravel	
Aliquot #4: Latitude:	33.55316749	N Longitude 86.79671634 W
Media description:	Dark Brown Silt Clay with Coarse	
Aliquot #5: Latitude:	33.55316785	N Longitude 86.79666937 W
Media description:	Dark Brown Silt Clay with Coarse	

ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch


STATION ID: CVO>55 SAMPLE ID: CVO>55C~g-SP

SAMPLE COLLECTION TIME: 1101

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Grab under swing

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CVO>55E

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	020168	Logged?	Y or N
Aliquot #1: Latitude:	33.55300396	N Longitude	86.39665898	W
Media description: _____				
Aliquot #2	Latitude:	N Longitude	W	
Media description: _____				
Aliquot #3:	Latitude:	N Longitude	W	
Media description: _____				
Aliquot #4:	Latitude:	N Longitude	W	
Media description: _____				
Aliquot #5:	Latitude:	N Longitude	W	
Media description: _____				

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection:	Composite or Grab	MS/MSD?	Y or N	
Field Duplicate or Split:	Yes or No	If yes, indicate Duplicate/split sample station ID:	_____	
GPS Coordinates:	Trimble []	Instrument #:	Logged?	Y or N
Aliquot #1: Latitude:	_____	N Longitude	_____	W
Media description: _____				
Aliquot #2	Latitude:	N Longitude	W	
Media description: _____				
Aliquot #3:	Latitude:	N Longitude	W	
Media description: _____				
Aliquot #4:	Latitude:	N Longitude	W	
Media description: _____				
Aliquot #5:	Latitude:	N Longitude	W	
Media description: _____				

(b) (6)

ADDRESS: _____ PROPERTY ID: HP0026

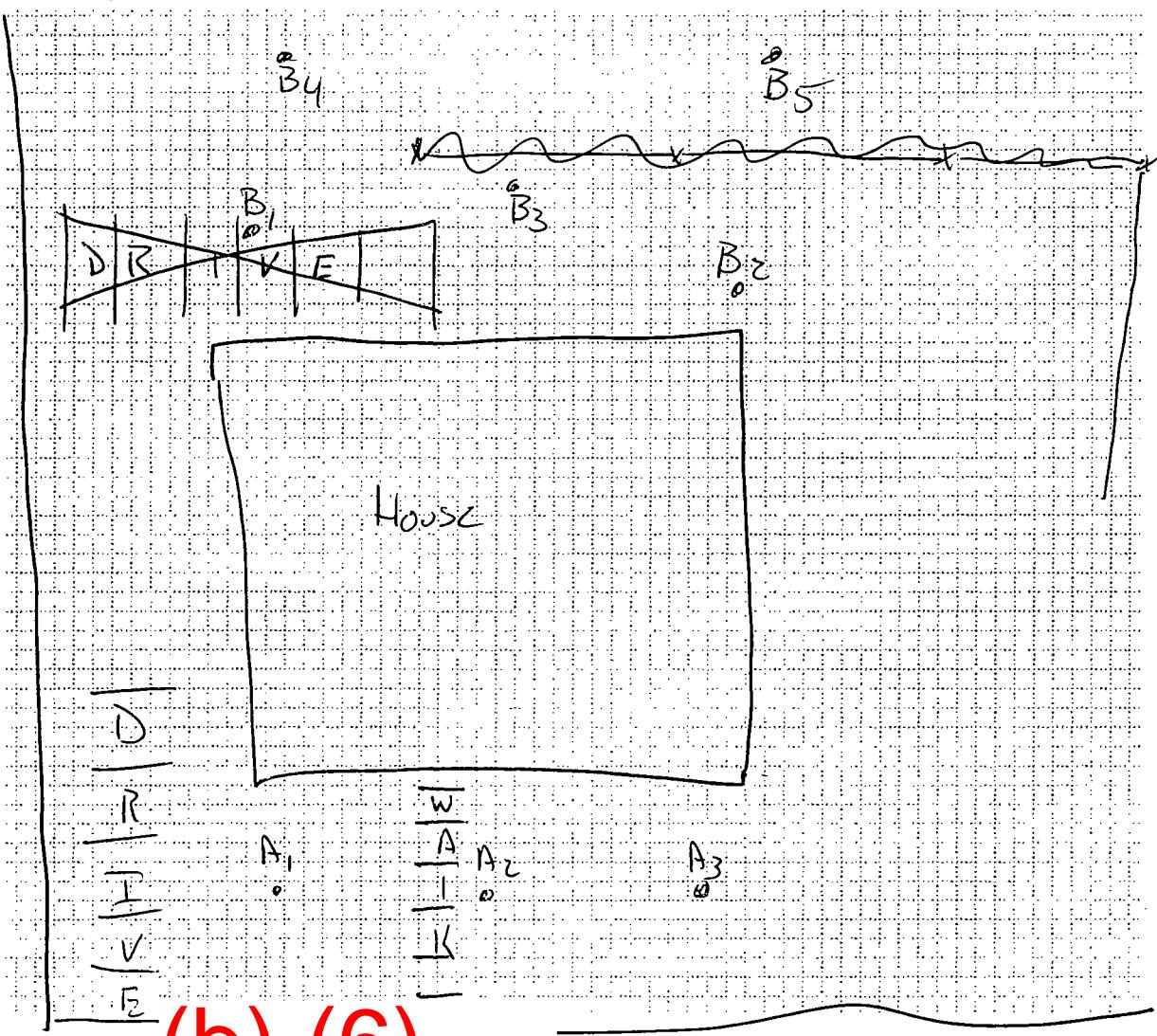
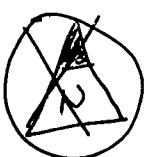
DATE: 2-26-13 ARRIVAL TIME: 1300

Other pertinent information (weather conditions, etc.):

50° C O 10

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: HP0026 SAMPLE ID: HP0026A-CS-SP

SAMPLE COLLECTION TIME: 1317

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0026A

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: Latitude: 33.56792029 N Longitude 86.79066914 W

Media description: Stained orange clay sandy

Aliquot #2: Latitude: 33.56788779 N Longitude 86.79066342 W

Media description: Stained orange clay sandy

Aliquot #3: Latitude: 33.56784601 N Longitude 86.79067668 W

Media description: Stained orange clay sandy

Aliquot #4: Latitude: N Longitude W

Media description:

Aliquot #5: Latitude: N Longitude W

Media description:

STATION ID: HP0026

SAMPLE ID: HP0026B-CS-SP

SAMPLE COLLECTION TIME: 1325

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0026B

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: Latitude: 33.56792461 N Longitude 86.79043521 W

Media description: Brown s.ilty sand damp

Aliquot #2: Latitude: 33.56783253 N Longitude 86.79043804 W

Media description: Dark Brown s.ilty soil damp

Aliquot #3: Latitude: 33.56788253 N Longitude 86.79037955 W

Media description: Dark Brown s.ilty soil damp

Aliquot #4: Latitude: 33.56791843 N Longitude 86.7903135 W

Media description: Brown s.ilty sand damp

Aliquot #5: Latitude: 33.56783875 N Longitude 86.79032905 W

Media description: Red/Brown s.ilty clay, damp

(b) (6)

ADDRESS: _____ PROPERTY ID: HP-0240

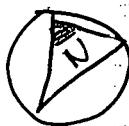
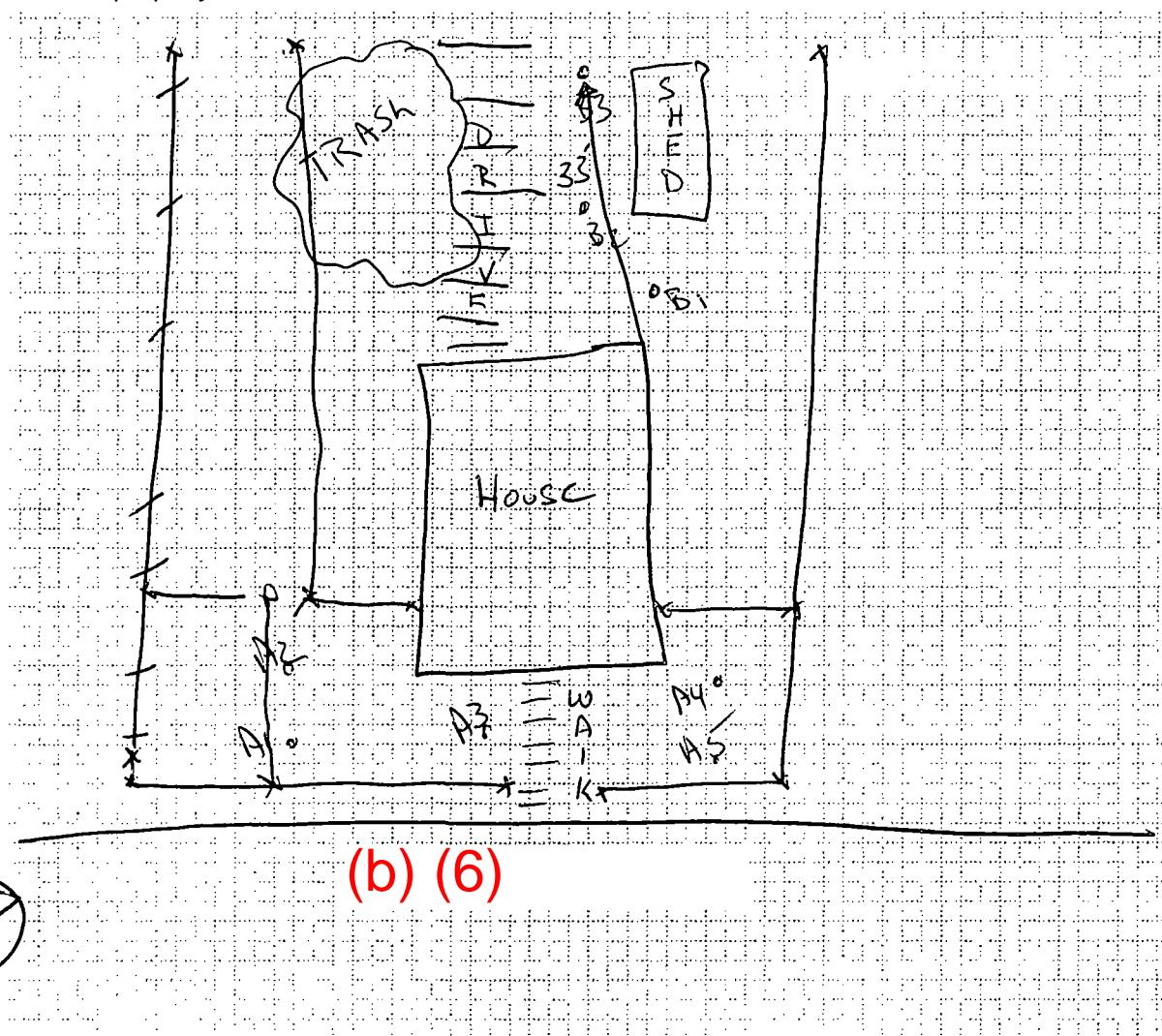
DATE: 2-26-13 ARRIVAL TIME: 1335

Other pertinent information (weather conditions, etc.):

49° cold

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: HPOZ40 SAMPLE ID: HPOZ40A-CS-SP
SAMPLE COLLECTION TIME: 1351

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard.

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HPOZ40A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude:	<u>33.56672133</u>	N Longitude <u>86.79160623</u> W
	Media description:	<u>Redish S.ity clay stained damp</u>	
Aliquot #2	Latitude:	<u>33.56672187</u>	N Longitude <u>86.79149865</u> W
	Media description:	<u>Same</u>	
Aliquot #3:	Latitude:	<u>33.56674404</u>	N Longitude <u>86.79155557</u> W
	Media description:	<u>Same</u>	
Aliquot #4:	Latitude:	<u>33.56677084</u>	N Longitude <u>86.79160921</u> W
	Media description:	<u>Same</u>	
Aliquot #5:	Latitude:	<u>33.56678469</u>	N Longitude <u>86.79152288</u> W
	Media description:	<u>Same</u>	

STATION ID: HPOZ40 SAMPLE ID: HPOZ40B-CS-SP

SAMPLE COLLECTION TIME: 1401

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HPOZ40B

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude:	<u>33.56699756</u>	N Longitude <u>86.79151472</u> W
	Media description:	<u>Reddish Brown s.ity clay stained damp w/coal</u>	
Aliquot #2	Latitude:	<u>33.56703691</u>	N Longitude <u>86.79154371</u> W
	Media description:	<u>Reddish Brown s.ity clay stained damp w/coal</u>	
Aliquot #3:	Latitude:	<u>33.56705649</u>	N Longitude <u>86.79154341</u> W
	Media description:	<u>Reddish Brown s.ity clay stained damp w/coal</u>	
Aliquot #4:	Latitude:	<u>33.56706491</u>	N Longitude <u>86.79154341</u> W
	Media description:	<u>Reddish Brown s.ity clay stained damp w/coal</u>	
Aliquot #5:	Latitude:	<u>33.56707241</u>	N Longitude <u>86.79154341</u> W
	Media description:	<u>Reddish Brown s.ity clay stained damp w/coal</u>	

(b) (6)

ADDRESS: _____

PROPERTY ID: HP0164

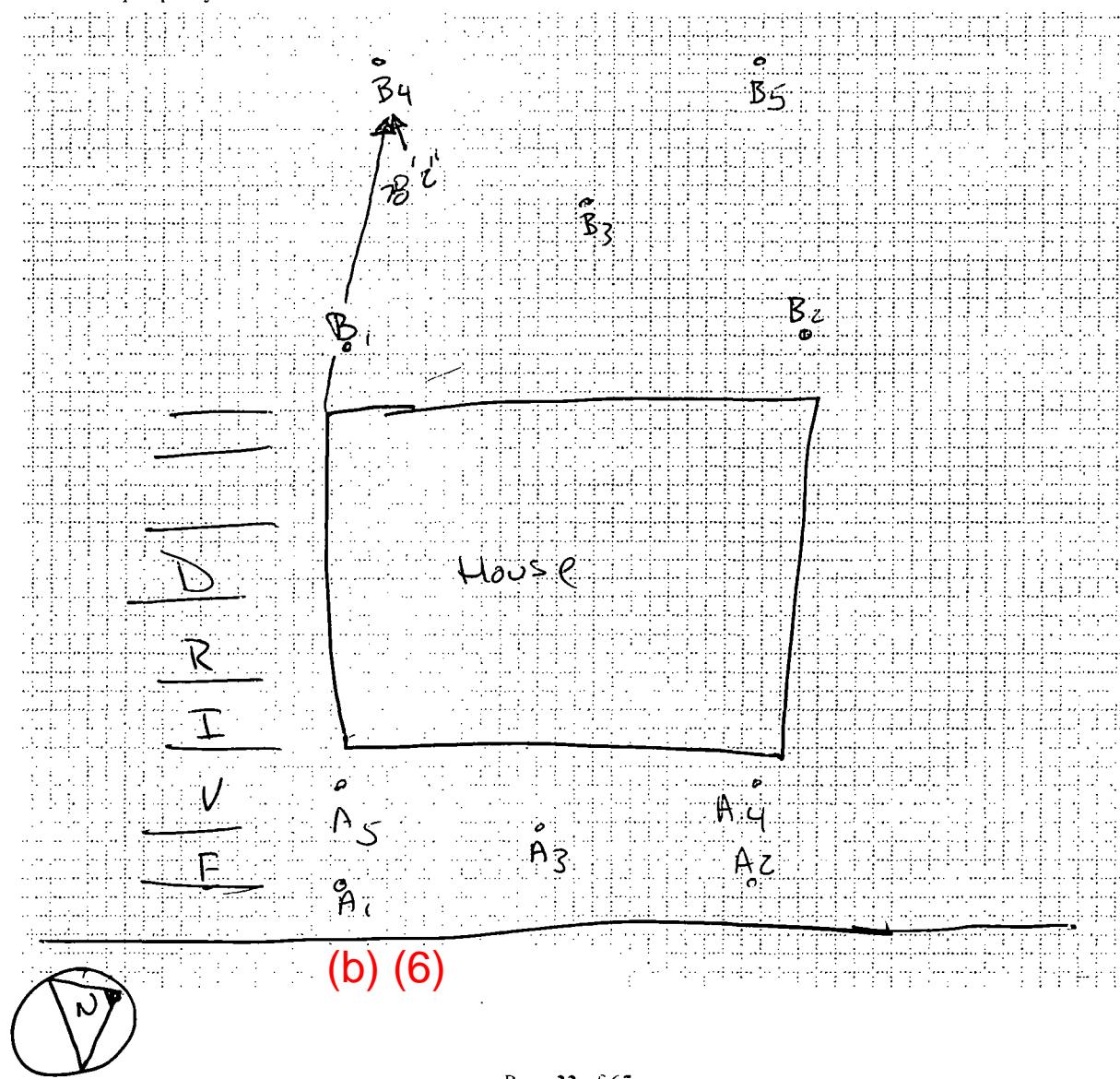
DATE: 2-26-13 ARRIVAL TIME: 1410

Other pertinent information (weather conditions, etc.):

49° cold.

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: HPO164 SAMPLE ID: HPO164A-CS-SP

SAMPLE COLLECTION TIME: 1422

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HPO164B

GPS Coordinates: Trimble [V] Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1: Latitude:	<u>33.56590905</u>	N Longitude <u>86.79416707</u> W
Media description:	<u>Redish Brown clay wet</u>	
Aliquot #2 Latitude:	<u>33.56591362</u>	N Longitude <u>86.79407483</u> W
Media description:	<u>St m as 1</u>	
Aliquot #3: Latitude:	<u>33.56593705</u>	N Longitude <u>86.79412176</u> W
Media description:	<u>Same as 1</u>	
Aliquot #4: Latitude:	<u>33.56595741</u>	N Longitude <u>86.79417005</u> W
Media description:	<u>Dark Brown Reddish clay wet w/coal</u>	
Aliquot #5: Latitude:	<u>33.56596450</u>	N Longitude <u>86.79408067</u> W
Media description:	<u>Same as 4</u>	

STATION ID: HPO164 SAMPLE ID: HPO164B-CS-SP

SAMPLE COLLECTION TIME: 1437

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HPO164B

GPS Coordinates: Trimble [V] Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1: Latitude:	<u>33.56612198</u>	N Longitude <u>86.79419148</u> W
Media description:	<u>Brown s.ity orange Clay w/ coal frag</u>	
Aliquot #2 Latitude:	<u>33.56612446</u>	N Longitude <u>86.79409356</u> W
Media description:	<u>Same</u>	
Aliquot #3: Latitude:	<u>33.5661993</u>	N Longitude <u>86.79414810</u> W
Media description:	<u>Same</u>	
Aliquot #4: Latitude:	<u>33.56627656</u>	N Longitude <u>86.79419465</u> W
Media description:	<u>Same</u>	
Aliquot #5: Latitude:	<u>33.56627226</u>	N Longitude <u>86.79409066</u> W
Media description:	<u>Same</u>	

(b) (6)

ADDRESS: _____ PROPERTY ID: HP 0069

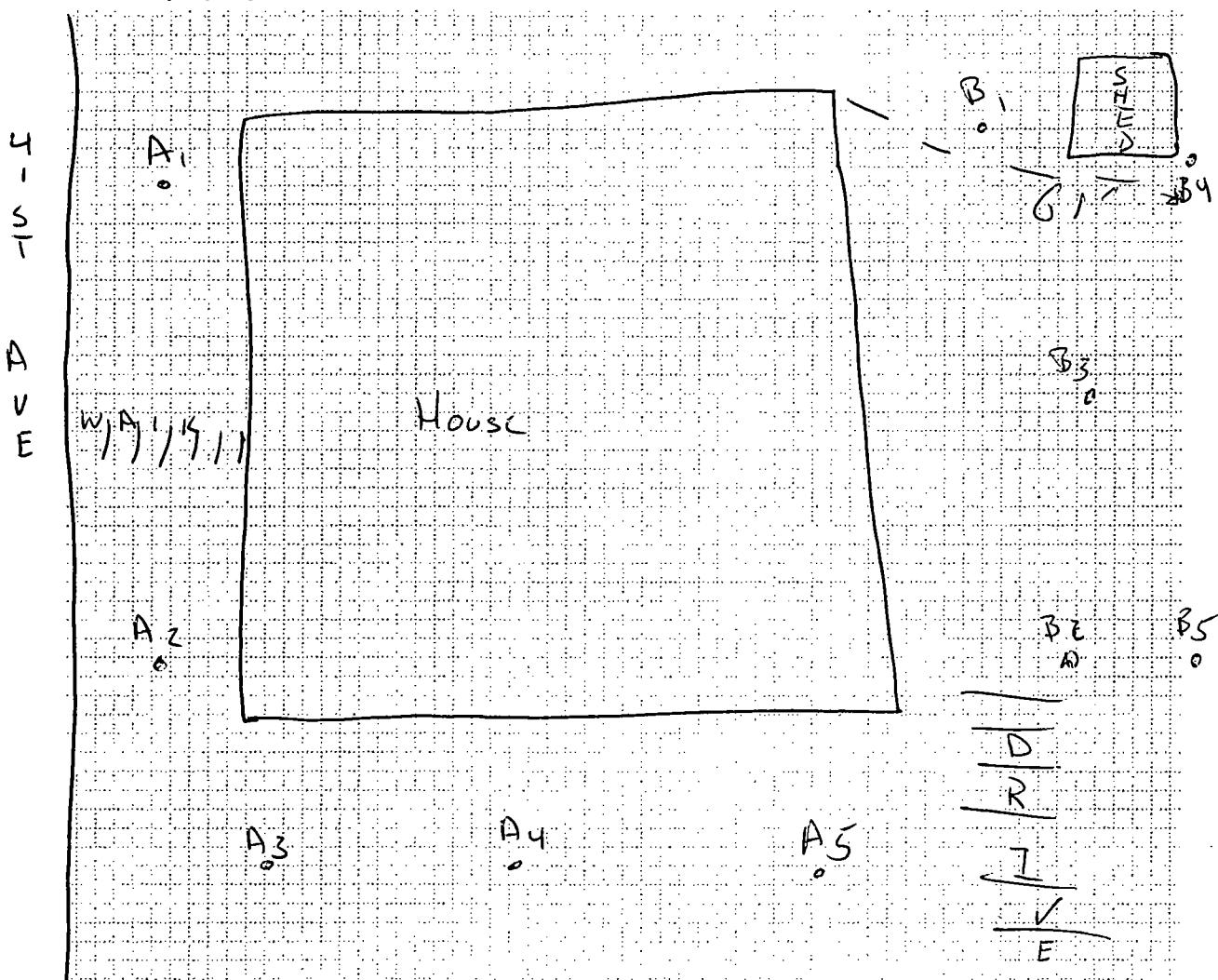
DATE: 2-26-13 ARRIVAL TIME: 1452

Other pertinent information (weather conditions, etc.):

50° Cold

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: H P0069 SAMPLE ID: H P0069A-CS-SP

SAMPLE COLLECTION TIME: 1508

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front & Side yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: H P0069A

GPS Coordinates:	Trimble [✓] Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude:	<u>33.56397967</u>	N Longitude <u>86.79091734</u> W
	Media description:	<u>Dark Brown s.ily Clay</u>	
Aliquot #2:	Latitude:	<u>33.56397392</u>	N Longitude <u>86.79086033</u> W
	Media description:	<u>Dark Brown s.ily clay</u>	
Aliquot #3:	Latitude:	<u>33.56401009</u>	N Longitude <u>86.79081612</u> W
	Media description:	<u>Brown / Orange clay w/ coal</u>	
Aliquot #4:	Latitude:	<u>33.56406557</u>	N Longitude <u>86.79081203</u> W
	Media description:	<u>Gray s.ily clay w/coal Dark</u>	
Aliquot #5:	Latitude:	<u>33.56414376</u>	N Longitude <u>86.79081071</u> W
	Media description:	<u>Dark Brown s.ily soil w/ wire fluff</u>	

STATION ID: H P0069 SAMPLE ID: H P0069B-CS-SP

SAMPLE COLLECTION TIME: 1525

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: H P0069B

GPS Coordinates:	Trimble [✓] Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude:	<u>33.56425210</u>	N Longitude <u>86.79092397</u> W
	Media description:	<u>Reddish Brown s.ily clay</u>	
Aliquot #2:	Latitude:	<u>33.56425528</u>	N Longitude <u>86.79082186</u> W
	Media description:	<u>Redish Brown s.ily clay</u>	
Aliquot #3:	Latitude:	<u>33.56429485</u>	N Longitude <u>86.79087946</u> W
	Media description:	<u>Redish Brown s.ily clay</u>	
Aliquot #4:	Latitude:	<u>33.56432516</u>	N Longitude <u>86.79087653</u> W
	Media description:	<u>Redish Brown s.ily clay with wire fluff</u>	
Aliquot #5:	Latitude:	<u>33.56432540</u>	N Longitude <u>86.79081817</u> W
	Media description:	<u>Redish Brown s.ily clay</u>	

(b) (6)

ADDRESS: _____ PROPERTY ID: CV-0568

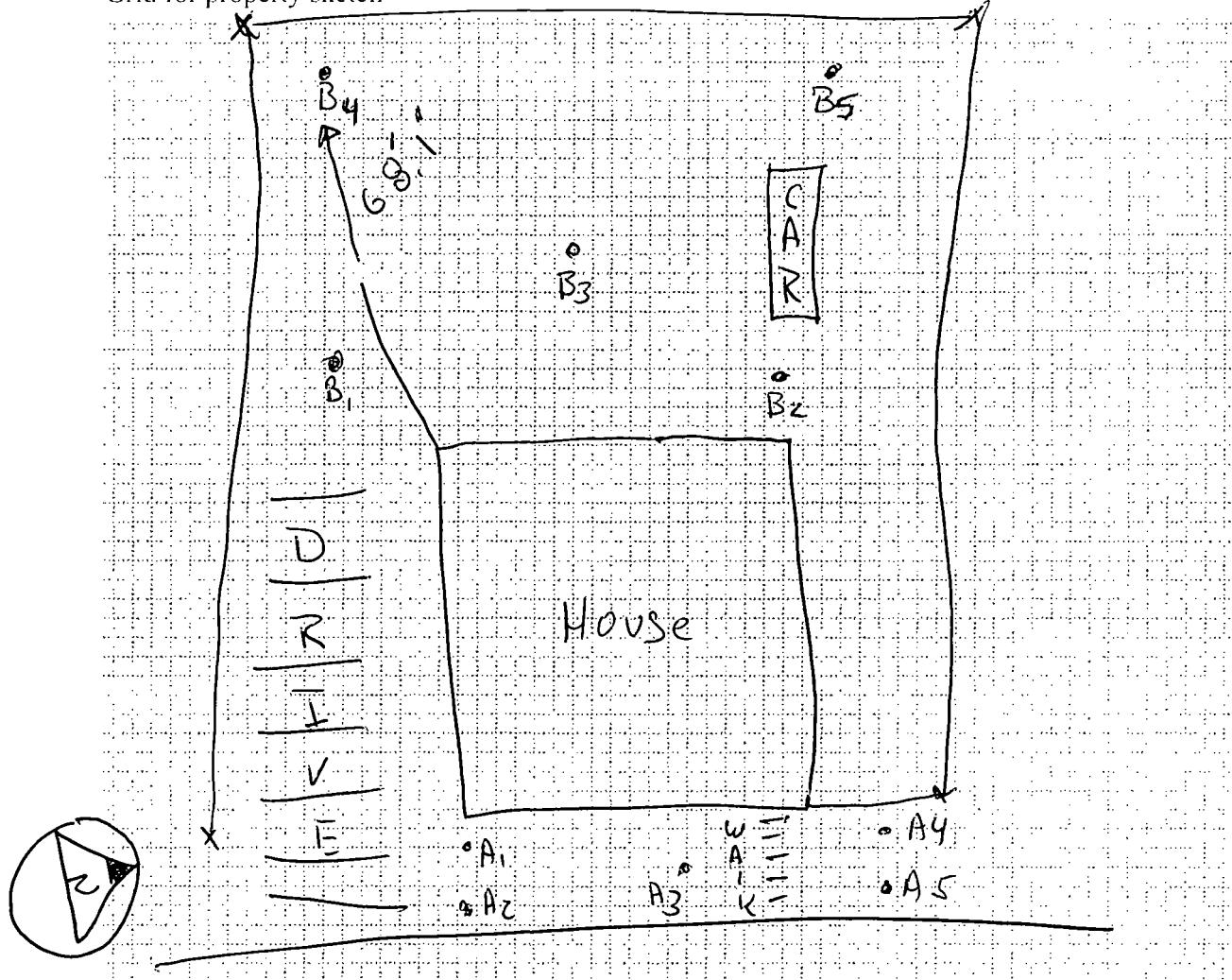
DATE: 2-27-13 ARRIVAL TIME: 0841

Other pertinent information (weather conditions, etc.):

50° sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0568 SAMPLE ID: CV0568A-CS-SP

SAMPLE COLLECTION TIME: 0900

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0568A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude:	<u>33.55810804</u>	N Longitude <u>86.79846037</u> W
	Media description:	<u>Dark Brown Silt Clay Damp</u>	
Aliquot #2:	Latitude:	<u>33.55818631</u>	N Longitude <u>86.79846268</u> W
	Media description:	<u>Reddish Brown Clay Damp</u>	
Aliquot #3:	Latitude:	<u>33.55815894</u>	N Longitude <u>86.79848646</u> W
	Media description:	<u>Dark Brown Silt Clay</u>	
Aliquot #4:	Latitude:	<u>33.55810666</u>	N Longitude <u>86.79851657</u> W
	Media description:	<u>Reddish Brown Clay Damp</u>	
Aliquot #5:	Latitude:	<u>33.55818588</u>	N Longitude <u>86.79851145</u> W
	Media description:	<u>Reddish Brown clay Damp</u>	

STATION ID: CV0568 SAMPLE ID: CV0568B-CS-SP

SAMPLE COLLECTION TIME: 0915

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0568B

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude:	<u>33.55809850</u>	N Longitude <u>86.79873314</u> W
	Media description:	<u>Dark Silt Clay Soil</u>	
Aliquot #2:	Latitude:	<u>33.55817708</u>	N Longitude <u>86.79875635</u> W
	Media description:	<u>Dark Silt Clay Soil</u>	
Aliquot #3:	Latitude:	<u>33.55812669</u>	N Longitude <u>86.79880447</u> W
	Media description:	<u>Dark Silt Clay Soil</u>	
Aliquot #4:	Latitude:	<u>33.55809675</u>	N Longitude <u>86.79888789</u> W
	Media description:		
Aliquot #5:	Latitude:	<u>33.55818850</u>	N Longitude <u>86.79888713</u> W
	Media description:	<u>Dark Brown Silt Clay w/oco</u>	

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0337

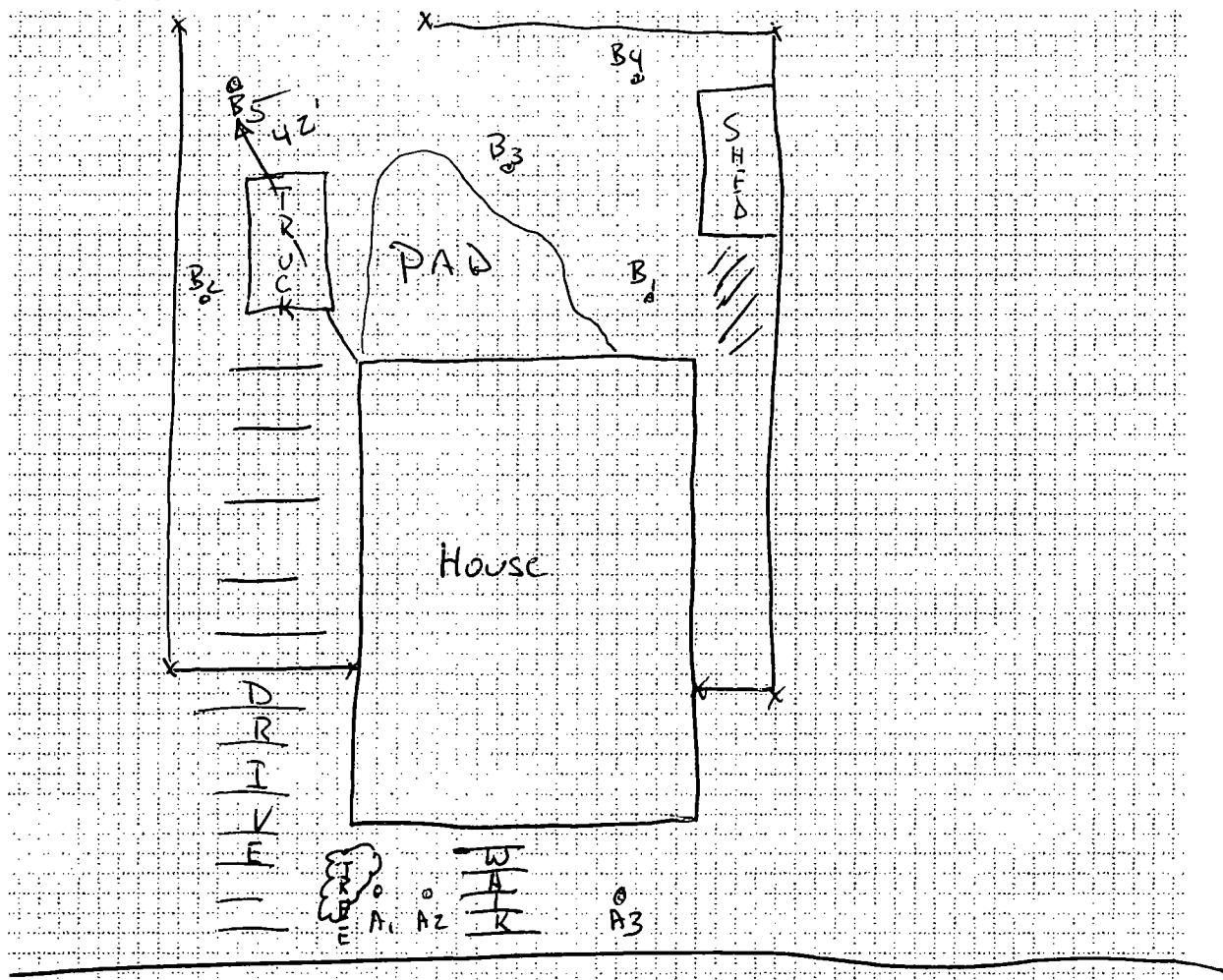
DATE: 2/27/13 ARRIVAL TIME: 0930

Other pertinent information (weather conditions, etc.):

50° sunny

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)



STATION ID: CV0337 SAMPLE ID: CV0337A-CS-SP

SAMPLE COLLECTION TIME: 0940

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front Yards

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0337A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude:	<u>33.55612214</u>	N Longitude <u>86.79754066</u> W
	Media description:	<u>Dark Brown s.1ty clay</u>	
Aliquot #2:	Latitude:	<u>33.55612334</u>	N Longitude <u>86.79750668</u> W
	Media description:	<u>Same</u>	
Aliquot #3:	Latitude:	<u>33.55612569</u>	N Longitude <u>86.79745551</u> W
	Media description:	<u>Same</u>	
Aliquot #4:	Latitude:	<u>33.55612569</u>	N Longitude <u>86.79745551</u> W
	Media description:	<u>Same</u> DP	DP
Aliquot #5:	Latitude:	<u>33.55612569</u>	N Longitude <u>86.79745551</u> W
	Media description:	<u>Same</u> DP	

STATION ID: CV0337 SAMPLE ID: CV0337B-CS-SP

SAMPLE COLLECTION TIME: 0955

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back Yard

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0337B

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude:	<u>33.55631979</u>	N Longitude <u>86.79749337</u> W
	Media description:	<u>Dark Brown S.1ty Clay</u>	
Aliquot #2:	Latitude:	<u>33.55633349</u>	N Longitude <u>86.79759360</u> W
	Media description:	<u>Same</u>	
Aliquot #3:	Latitude:	<u>33.55637776</u>	N Longitude <u>86.79757029</u> W
	Media description:	<u>Same</u>	
Aliquot #4:	Latitude:	<u>33.55640779</u>	N Longitude <u>86.79757724</u> W
	Media description:	<u>Same</u>	
Aliquot #5:	Latitude:	<u>33.55641066</u>	N Longitude <u>86.79750566</u> W
	Media description:	<u>Same</u>	

(b) (6)

ADDRESS: _____ PROPERTY ID: CN0300

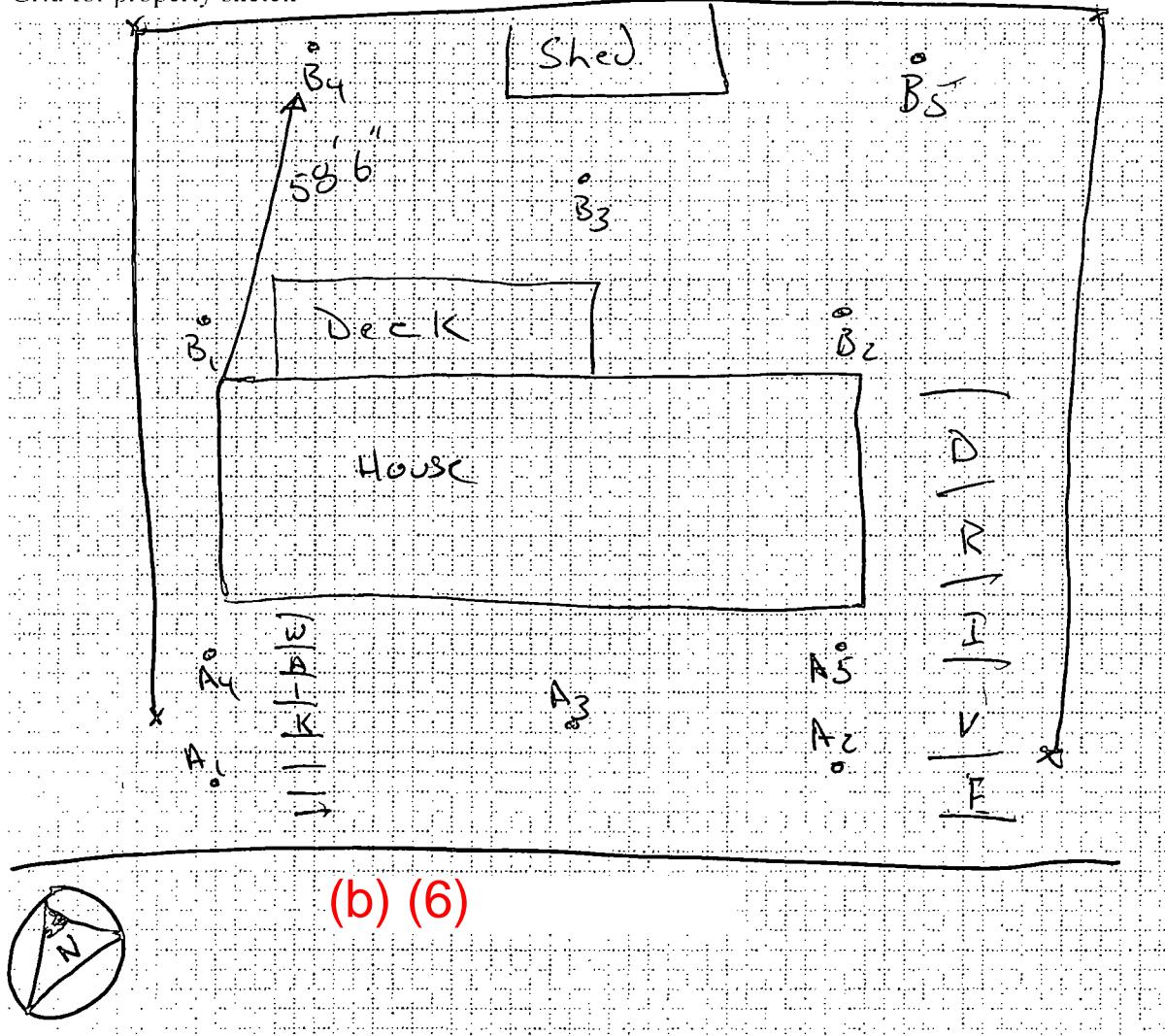
DATE: 2/27/13 ARRIVAL TIME: 1040

Other pertinent information (weather conditions, etc.):

50° sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0300 SAMPLE ID: CV0300A-CS-SP

SAMPLE COLLECTION TIME: 1100

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard.

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0300A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33,55531223	N Longitude	86,79742176 W
	Media description:	Brown S.1ty clay		
Aliquot #2	Latitude:	33,55530848	N Longitude	86,79731713 W
	Media description:	Same		
Aliquot #3:	Latitude:	33,55532679	N Longitude	86,79736991 W
	Media description:	Same		
Aliquot #4:	Latitude:	33,55534059	N Longitude	86,79742635 W
	Media description:	Same		
Aliquot #5:	Latitude:	33,55534398	N Longitude	86,79731737 W
	Media description:	Same		

STATION ID: CV0300 SAMPLE ID: CV0300B-CS-SP

SAMPLE COLLECTION TIME: 1110

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0300B

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33,55548611	N Longitude	86,79741679 W
	Media description:	Dark Brown S.1ty So.1		
Aliquot #2	Latitude:	33,55547609	N Longitude	86,79728200 W
	Media description:	Light Brown S.1ty So.1		
Aliquot #3:	Latitude:	33,5553801	N Longitude	86,79735601 W
	Media description:	Same as 1		
Aliquot #4:	Latitude:	33,55559792	N Longitude	86,79741743 W
	Media description:	Same as 1		
Aliquot #5:	Latitude:	33,55559580	N Longitude	86,79729575 W
	Media description:	Same as 2		

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0329

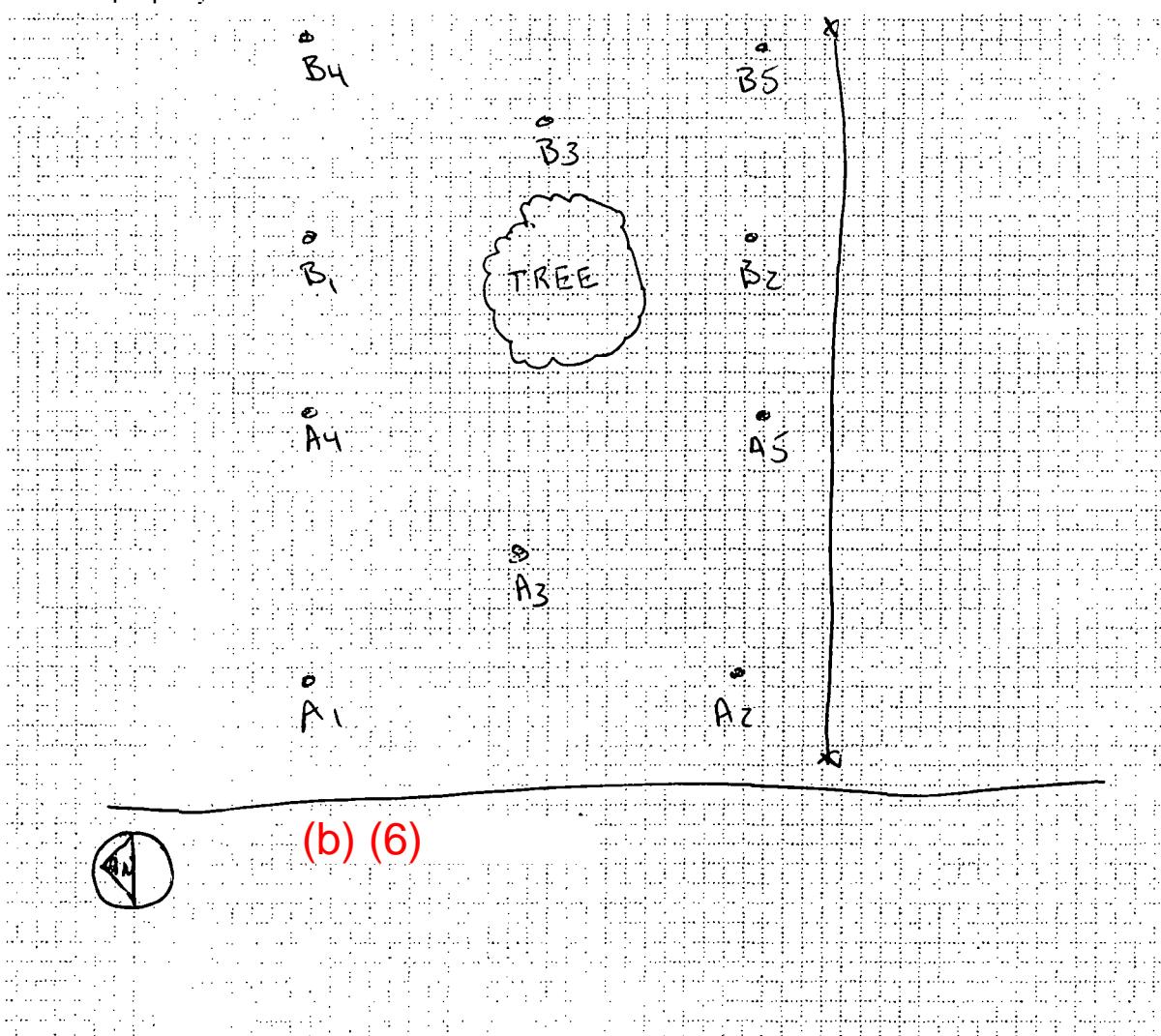
DATE: 2/27/13 ARRIVAL TIME: 1135

Other pertinent information (weather conditions, etc.):

55° Sunny

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV0379 SAMPLE ID: CV0379A-CS-SP

SAMPLE COLLECTION TIME: 1155

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front of Empty lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0379A

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>]	Instrument #:	<u>020168</u>	Logged?	Y or N
Aliquot #1:	Latitude:	<u>33,55616987</u>	N Longitude	<u>86.79937603</u>	W
	Media description:	<u>Dark Brown Silty Soil</u>			
Aliquot #2:	Latitude:	<u>33,55607787</u>	N Longitude	<u>86.79937833</u>	W
	Media description:	<u>Same</u>			
Aliquot #3:	Latitude:	<u>33,55612591</u>	N Longitude	<u>86.79929458</u>	W
	Media description:	<u>Same</u>			
Aliquot #4:	Latitude:	<u>33,55616317</u>	N Longitude	<u>86.79922492</u>	W
	Media description:	<u>Same</u>			
Aliquot #5:	Latitude:	<u>33,55607913</u>	N Longitude	<u>86.79923580</u>	W
	Media description:	<u>Same</u>			

STATION ID: CV0379 SAMPLE ID: CV0379B-CS-SP

SAMPLE COLLECTION TIME: 1210

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back of Empty lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0379 B

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>]	Instrument #:	<u>020168</u>	Logged?	Y or N
Aliquot #1:	Latitude:	<u>33,55616726</u>	N Longitude	<u>86.79919419</u>	W
	Media description:	<u>Brown Silty Soil</u>			
Aliquot #2:	Latitude:	<u>33,55607697</u>	N Longitude	<u>86.79919418</u>	W
	Media description:	<u>Brown Silty Soil</u>			
Aliquot #3:	Latitude:	<u>33,55612323</u>	N Longitude	<u>86.79907197</u>	W
	Media description:	<u>Brown Silty Soil</u>			
Aliquot #4:	Latitude:	<u>33,55615801</u>	N Longitude	<u>86.79900655</u>	W
	Media description:	<u>Brown Silty Soil wet</u>			
Aliquot #5:	Latitude:	<u>33,55607163</u>	N Longitude	<u>86.79901164</u>	W
	Media description:	<u>Brown Silty Soil</u>			

(b) (6)

ADDRESS: _____ PROPERTY ID: CVO386

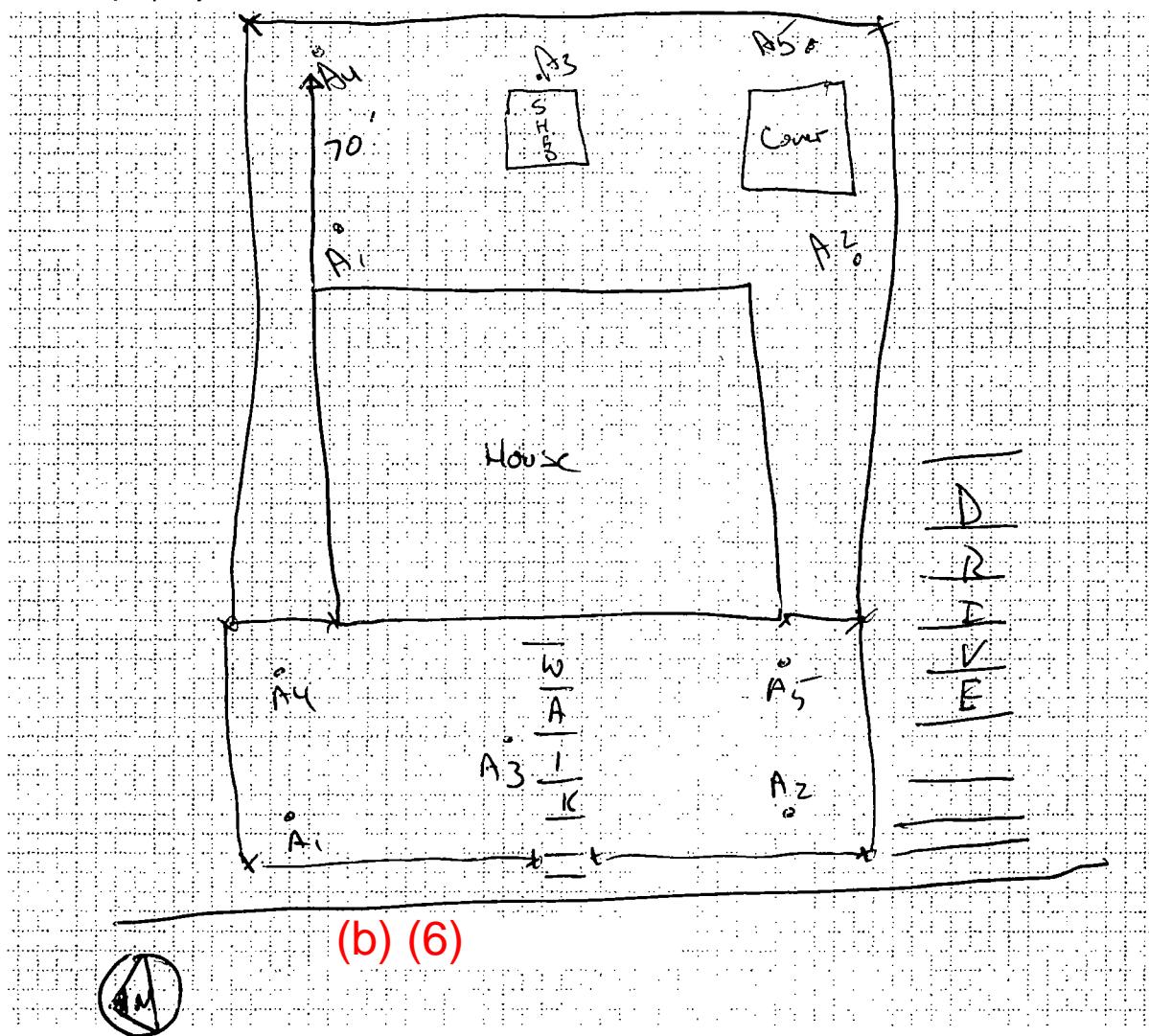
DATE: 2/27/13 ARRIVAL TIME: 1335

Other pertinent information (weather conditions, etc.):

55° Sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0386 SAMPLE ID: CV0386A-CS-SP

SAMPLE COLLECTION TIME: 1355

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0386A

GPS Coordinates: Trimble Instrument #: 020168 Logged? Y or N

Aliquot #1: Latitude: 33.55671957 N Longitude 86.79938669 W

Media description: Brown Sity Soil

Aliquot #2: Latitude: 33.55663686 N Longitude 86.79938928 W

Media description: Same

Aliquot #3: Latitude: 33.55667604 N Longitude 86.79936293 W

Media description: Same

Aliquot #4: Latitude: 33.55671205 N Longitude 86.79934910 W

Media description: Same

Aliquot #5: Latitude: 33.55663145 N Longitude 86.79935197 W

Media description: _____

STATION ID: CV0386 SAMPLE ID: CV0386A-CS-SP

SAMPLE COLLECTION TIME: 1410

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0386B

GPS Coordinates: Trimble Instrument #: 020168 Logged? Y or N

Aliquot #1: Latitude: 33.55669763 N Longitude 86.79916416 W

Media description: Dark Brown Sity Soil

Aliquot #2: Latitude: 33.55659505 N Longitude 86.79917898 W

Media description: Same

Aliquot #3: Latitude: 33.55666008 N Longitude 86.79906919 W

Media description: Same

Aliquot #4: Latitude: 33.55669488 N Longitude 86.79897044 W

Media description: Same

Aliquot #5: Latitude: 33.55660189 N Longitude 86.79897585 W

Media description: Same

(b) (6)

ADDRESS:

PROPERTY ID: CV0398

DATE: 2/27/13

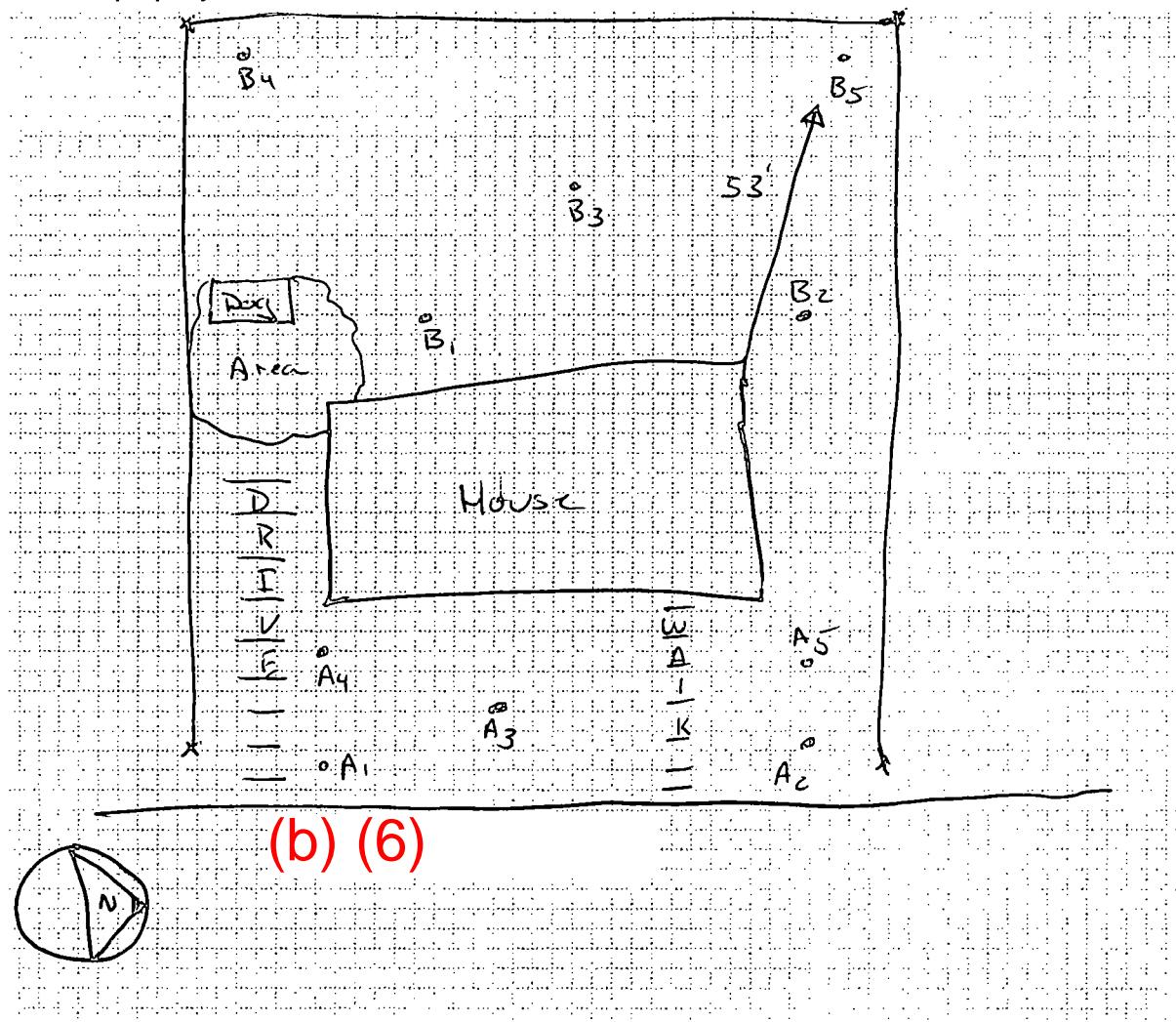
ARRIVAL TIME: 1415

Other pertinent information (weather conditions, etc.):

55° sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0398 SAMPLE ID: CV0398A-CS-SP

SAMPLE COLLECTION TIME: 1440

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0398A

GPS Coordinates: Trimble [✓] Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1: Latitude: <u>33.55759742</u> N Longitude <u>86.79955490</u> W	
Media description: <u>Brown Sility Soil Dark</u>	
Aliquot #2 Latitude: <u>33.55766348</u> N Longitude <u>86.79956346</u> W	
Media description: <u>Same</u>	
Aliquot #3: Latitude: <u>33.55762756</u> N Longitude <u>86.79958851</u> W	
Media description: <u>Same</u>	
Aliquot #4: Latitude: <u>33.55759624</u> N Longitude <u>86.79961939</u> W	
Media description: <u>Same</u>	
Aliquot #5: Latitude: <u>33.55765457</u> N Longitude <u>86.79961677</u> W	
Media description: <u>Same</u>	

STATION ID: CV0398 SAMPLE ID: CV0398B-CS-SP

SAMPLE COLLECTION TIME: 1450

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0398B

GPS Coordinates: Trimble [✓] Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1: Latitude: <u>33.55760845</u> N Longitude <u>86.79981637</u> W	
Media description: <u>Dark Brown Sility Clay</u>	
Aliquot #2 Latitude: <u>33.55765643</u> N Longitude <u>86.79979428</u> W	
Media description: <u>Same</u>	
Aliquot #3: Latitude: <u>33.55760717</u> N Longitude <u>86.79987194</u> W	
Media description: <u>Same</u>	
Aliquot #4: Latitude: <u>33.55756784</u> N Longitude <u>86.79994708</u> W	
Media description: <u>Same</u>	
Aliquot #5: Latitude: <u>33.55765689</u> N Longitude <u>86.79995299</u> W	
Media description: <u>Same</u>	

ADDRESS: (b) (6) PROPERTY ID: CV0402

DATE: 2/27/13 ARRIVAL TIME: 1500

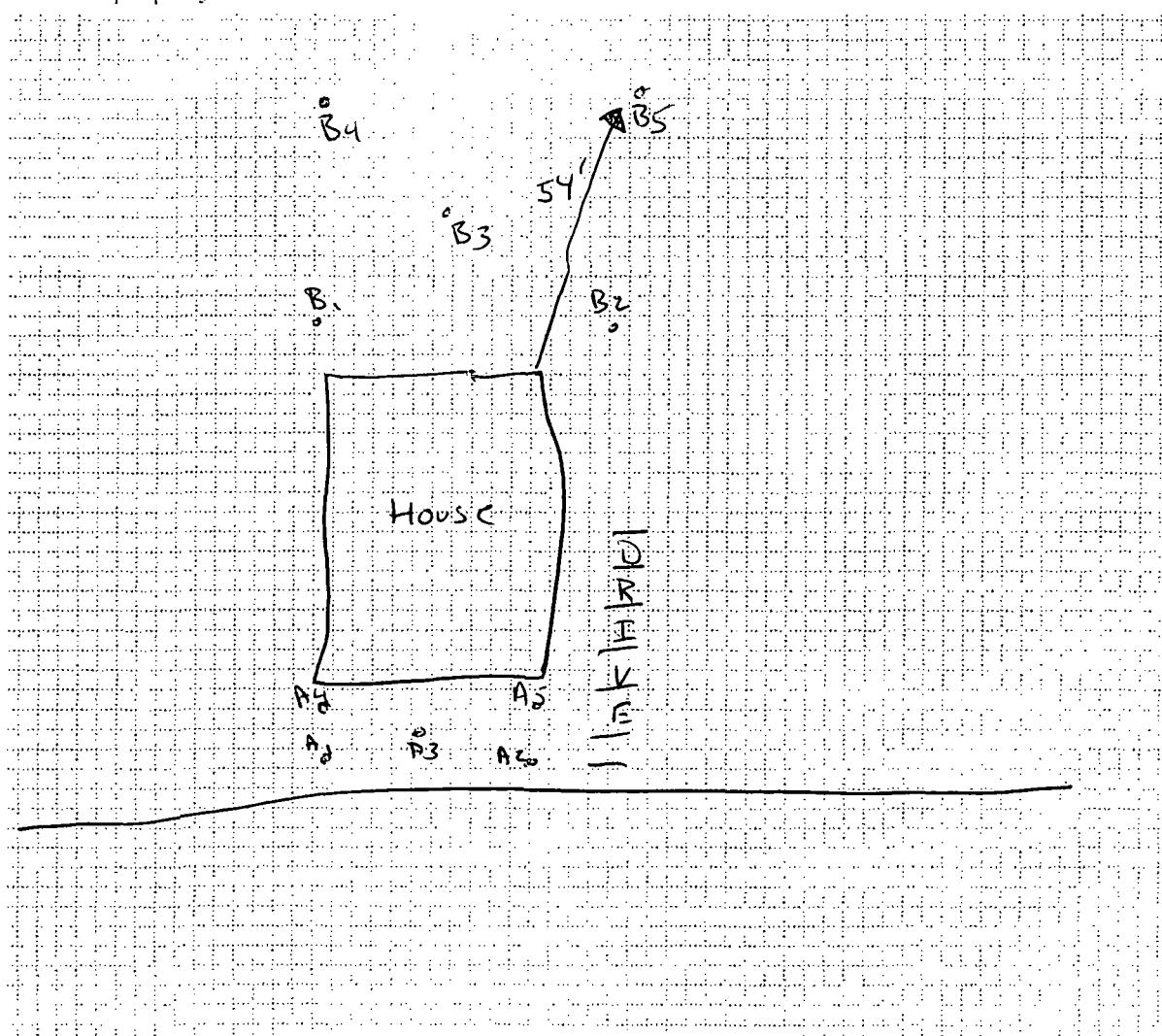
Other pertinent information (weather conditions, etc.):

55° sunny

PROPERTY COMMENTS:

Property is Empty

Grid for property sketch



STATION ID: CV0402 SAMPLE ID: CV0402A-CS-SP

SAMPLE COLLECTION TIME: 1515

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard.

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0402A

GPS Coordinates:	Trimble [✓] Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.55760845	N Longitude:	86.79981637 W
	Media description:	Brown s.ity Soil		
Aliquot #2:	Latitude:	33.55765643	N Longitude:	86.79979428 W
	Media description:	Same		
Aliquot #3:	Latitude:	33.55760717	N Longitude:	86.79987194 W
	Media description:	Same		
Aliquot #4:	Latitude:	33.55756784	N Longitude:	86.79994708 W
	Media description:	Same		
Aliquot #5:	Latitude:	33.55765689	N Longitude:	86.79995299 W
	Media description:	Same		

STATION ID: CV0402 SAMPLE ID: CV0402B-CS-SP

SAMPLE COLLECTION TIME: 1530

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard.

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0402B

GPS Coordinates:	Trimble [✓] Instrument #:	020168	Logged?	Y or N
Aliquot #1:	Latitude:	33.55779850	N Longitude:	86.79981403 W
	Media description:	Dark Brown s.ity Clay		
Aliquot #2:	Latitude:	33.55786886	N Longitude:	86.79981319 W
	Media description:	Dark Brown s.ity Clay		
Aliquot #3:	Latitude:	33.55782952	N Longitude:	86.79985876 W
	Media description:	Dark Brown s.ity Clay		
Aliquot #4:	Latitude:	33.55779546	N Longitude:	86.79993965 W
	Media description:	Dark Brown s.ity Clay		
Aliquot #5:	Latitude:	33.55786570	N Longitude:	86.79993972 W
	Media description:	Dark Brown s.ity clay		

(b) (6)

ADDRESS: _____ PROPERTY ID: HP 0329

DATE: 2/28/13 ARRIVAL TIME: 0830

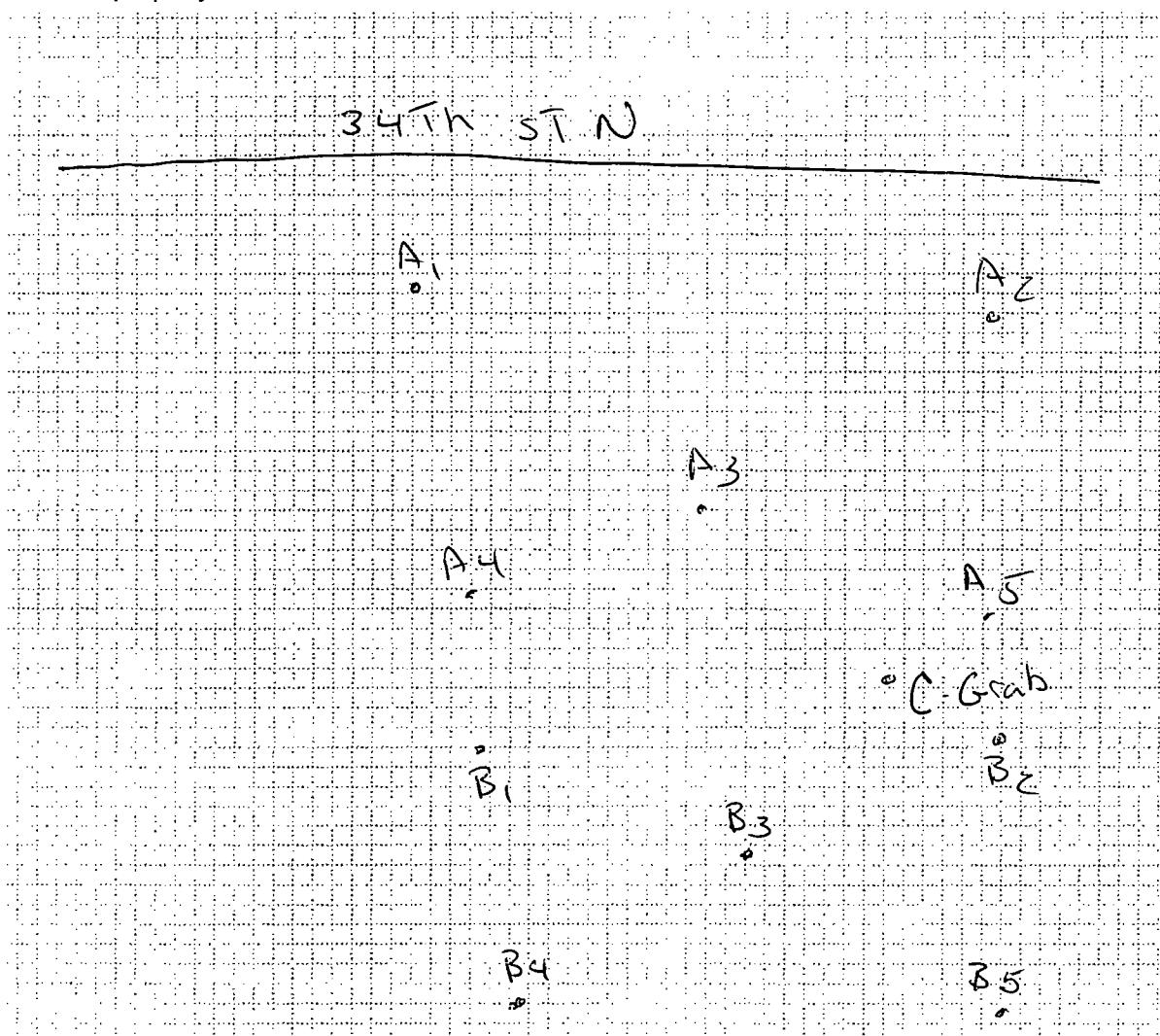
Other pertinent information (weather conditions, etc.):

40° sunny

PROPERTY COMMENTS:

Empty parcel

Grid for property sketch



STATION ID: HPO3Z9 SAMPLE ID: HPO3Z9A-CS-SP

SAMPLE COLLECTION TIME: 0920

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front North of Parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HPO3Z9A

GPS Coordinates: Trimble Instrument #: 020168 Logged? Y or N

Aliquot #1: Latitude: 33.56181890 N Longitude 86.79776769 W

Media description: Brown clay wet

Aliquot #2: Latitude: 33.56181075 N Longitude 86.79787615 W

Media description: Brown clay wet

Aliquot #3: Latitude: 33.56177583 N Longitude 86.79782367 W

Media description: Light Brown Red Clay wet

Aliquot #4: Latitude: 33.56175055 N Longitude 86.79777428 W

Media description: Brown Clay wet

Aliquot #5: Latitude: 33.56173458 N Longitude 86.79787721 W

Media description: Brown clay wet

STATION ID: HPO3Z9 SAMPLE ID: HPO3Z9B-CS-SP

SAMPLE COLLECTION TIME: 0900

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back South of Parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HPO3Z9B

GPS Coordinates: Trimble Instrument #: 020168 Logged? Y or N

Aliquot #1: Latitude: 33.56170791 N Longitude 86.79777236 W

Media description: Brown clay wet

Aliquot #2: Latitude: 33.56169819 N Longitude 86.79786490 W

Media description: Brown clay wet

Aliquot #3: Latitude: 33.56165762 N Longitude 86.79783450 W

Media description: Light Brown Clay wet

Aliquot #4: Latitude: 33.56162042 N Longitude 86.79777549 W

Media description: Brown clay wet

Aliquot #5: Latitude: 33.56162085 N Longitude 86.79786779 W

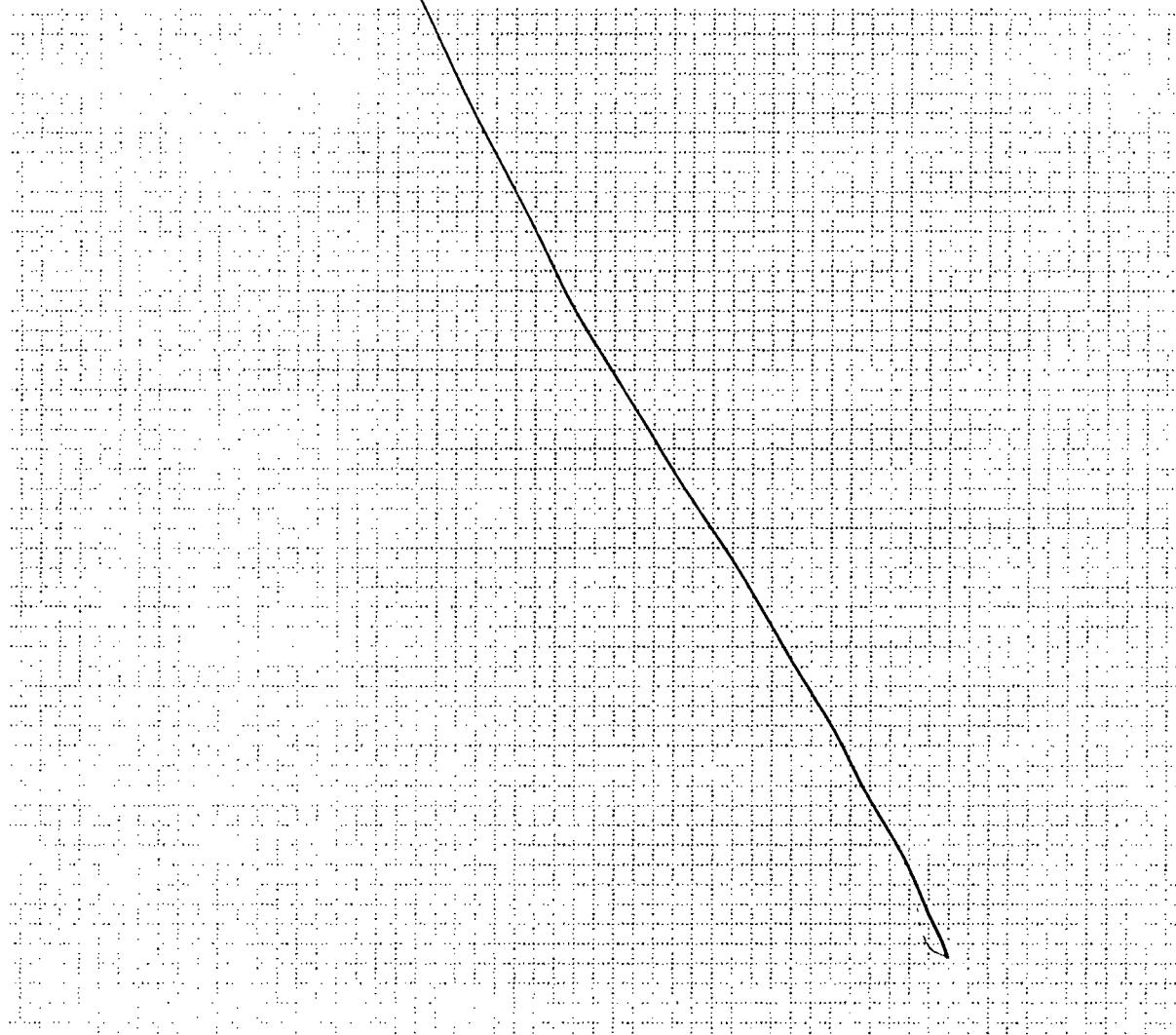
Media description: Brown clay wet

ADDRESS: _____ **PROPERTY ID:** _____

DATE: _____ **ARRIVAL TIME:** _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch


STATION ID: HPO3Z9 SAMPLE ID: HPO3Z9C-Grab-SP
SAMPLE COLLECTION TIME: 0930

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Centres area

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HPO3Z9C-G-SP

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>]	Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1: Latitude:	<u>33.56172005</u>	N Longitude <u>86.79779110</u> W
Media description:	<u>Brown silty soil wet</u>	
Aliquot #2 Latitude:	N Longitude	W
Media description:		
Aliquot #3: Latitude:	N Longitude	W
Media description:		
Aliquot #4: Latitude:	N Longitude	W
Media description:		
Aliquot #5: Latitude:	N Longitude	W
Media description:		

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [<input type="checkbox"/>]	Instrument #: _____	Logged? Y or N
Aliquot #1: Latitude:	N Longitude	W
Media description:		
Aliquot #2 Latitude:	N Longitude	W
Media description:		
Aliquot #3: Latitude:	N Longitude	W
Media description:		
Aliquot #4: Latitude:	N Longitude	W
Media description:		
Aliquot #5: Latitude:	N Longitude	W
Media description:		

(b) (6)

ADDRESS: _____ PROPERTY ID: H P 0008

DATE: 2/28/13 ARRIVAL TIME: 0830

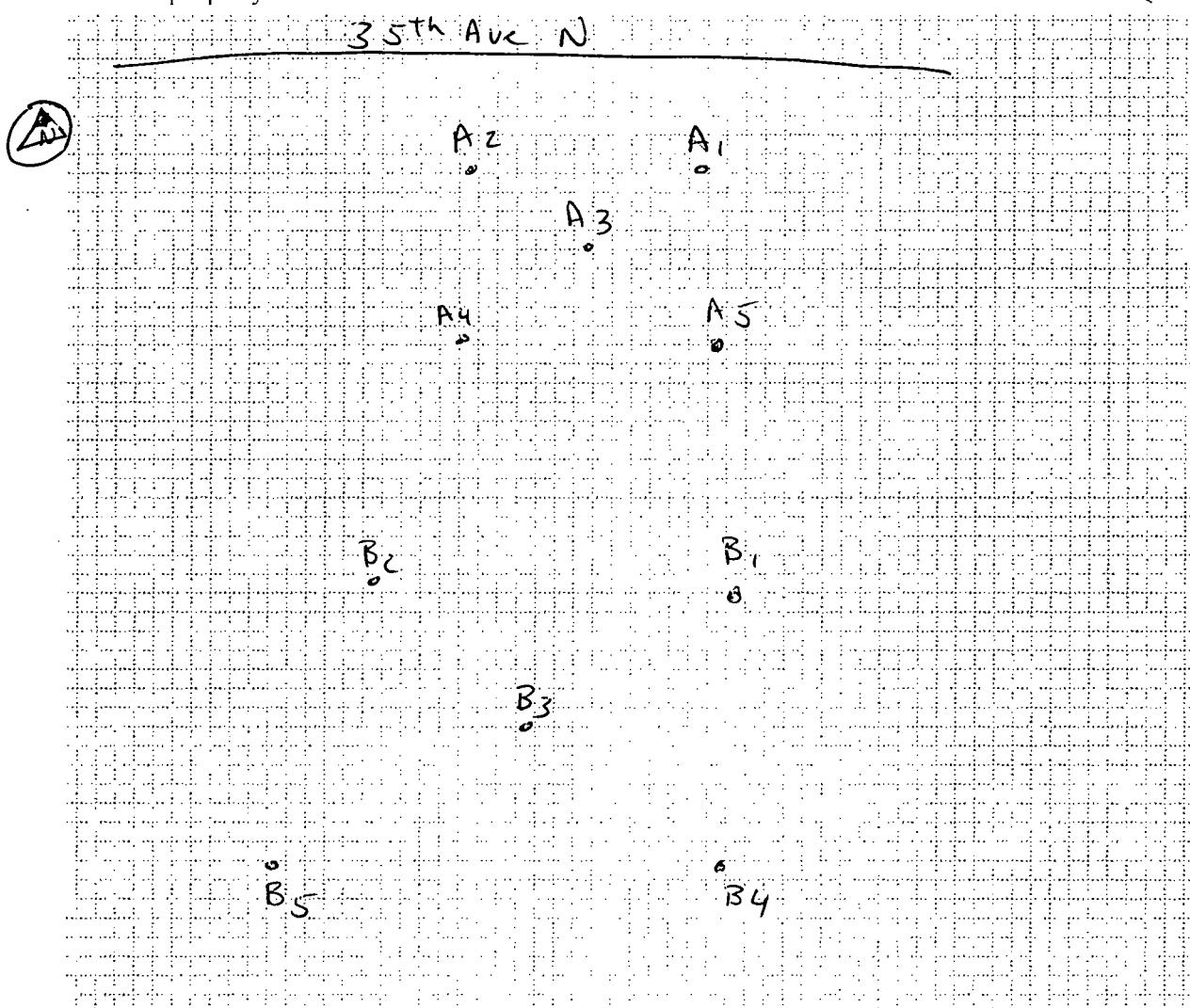
Other pertinent information (weather conditions, etc.):

40° cold

PROPERTY COMMENTS:

Empty parcel

Grid for property sketch



STATION ID: H P0008 SAMPLE ID: H P0008A-CS-SP

SAMPLE COLLECTION TIME: 0950

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

North of Parcel

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: H P0008A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude:	<u>33,561848410</u>	N Longitude <u>86,79788938</u> W
	Media description:	<u>Coal Brown silt soil</u>	
Aliquot #2:	Latitude:	<u>33,56186917</u>	N Longitude <u>86,79795008</u> W
	Media description:	<u>Brown silt soil</u>	
Aliquot #3:	Latitude:	<u>Red Clay 33,56181468</u>	N Longitude <u>86,79792085</u> W
	Media description:	<u>Redish Clay & Brown silt soil</u>	
Aliquot #4:	Latitude:	<u>33,56174635</u>	N Longitude <u>86,79793181</u> W
	Media description:	<u>Brown silt soil</u>	
Aliquot #5:	Latitude:	<u>33,56175179</u>	N Longitude <u>86,79797532</u> W
	Media description:	<u>Brown silt soil</u>	

STATION ID: H P0008 SAMPLE ID: H P0008B-CS-SP

SAMPLE COLLECTION TIME: 1015

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

South of Parcel

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: H P0008B

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude:	<u>33,56167869</u>	N Longitude <u>86,79792233</u> W
	Media description:	<u>Dark Brown silt soil</u>	
Aliquot #2:	Latitude:	<u>33,56168579</u>	N Longitude <u>86,79798937</u> W
	Media description:	<u>Dark Brown silt soil</u>	
Aliquot #3:	Latitude:	<u>33,56164195</u>	N Longitude <u>86,79797950</u> W
	Media description:	<u>Dark Brown silt soil</u>	
Aliquot #4:	Latitude:	<u>33,56160007</u>	N Longitude <u>86,79793040</u> W
	Media description:	<u>Light Brown silt soil</u>	
Aliquot #5:	Latitude:	<u>33,56159678</u>	N Longitude <u>86,79802930</u> W
	Media description:	<u>Dark Brown silt soil</u>	

(b) (6)

ADDRESS:

HP-0330

~~SP4~~

PROPERTY ID:

DATE: 2/28/13

ARRIVAL TIME: 0830

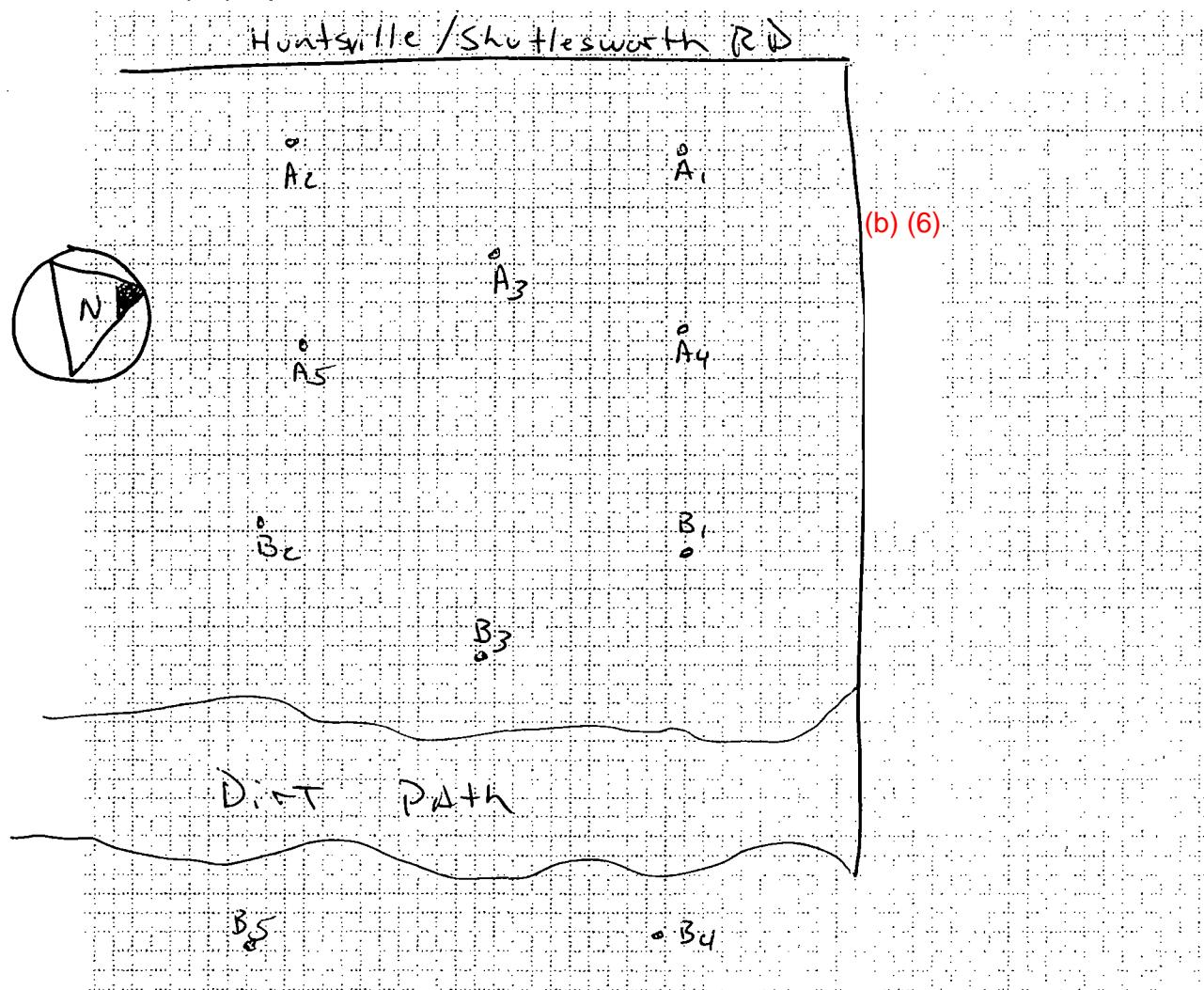
Other pertinent information (weather conditions, etc.):

40° Cold

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: HP0330 SAMPLE ID: HP0330A-CS-SP

SAMPLE COLLECTION TIME: 1045

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front west of Parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0330A

GPS Coordinates: Trimble Instrument #: 020168 Logged? Y or N

Aliquot #1: Latitude: 33.56184429 N Longitude 86.79831157 W

Media description: Brown Clay - wet

Aliquot #2 Latitude: 33.56178594 N Longitude 86.79834752 W

Media description: Brown Silty Soil

Aliquot #3: Latitude: 33.56181922 N Longitude 86.79827677 W

Media description: Brown Silty Soil

Aliquot #4: Latitude: 33.56184121 N Longitude 86.79823323 W

Media description: Brown Clay - wet

Aliquot #5: Latitude: 33.56181203 N Longitude 86.79822489 W

Media description: Brown Silty Soil

STATION ID: HP0330

SAMPLE ID: HP00-HP0330B-CS-SP

SAMPLE COLLECTION TIME: 1100

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back East of Parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0330B

GPS Coordinates: Trimble Instrument #: 020168 Logged? Y or N

Aliquot #1: Latitude: 33.56184719 N Longitude 86.79817831 W

Media description: wet Brown silty soil

Aliquot #2 Latitude: 33.56180954 N Longitude 86.79814797 W

Media description: wet Brown silty

Aliquot #3: Latitude: 33.56181660 N Longitude 86.79806400 W

Media description: Brown silty Soil

Aliquot #4: Latitude: 33.56186801 N Longitude 86.79801001 W

Media description: Brown silty Soil

Aliquot #5: Latitude: 33.56180215 N Longitude 86.79801291 W

Media description: Brown silty Soil

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0724

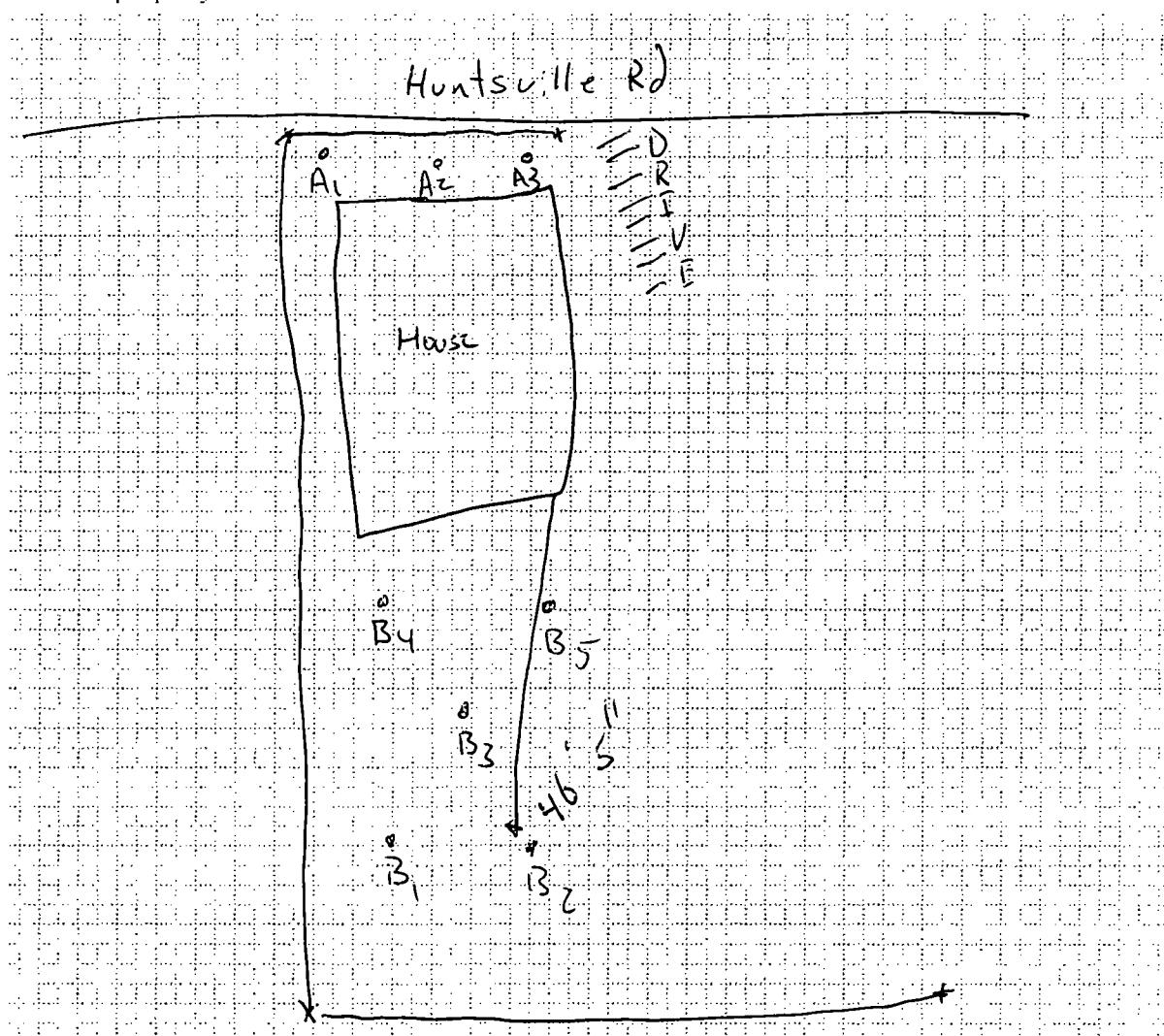
DATE: 2/28/13 ARRIVAL TIME: 1315

Other pertinent information (weather conditions, etc.):

40° cold.

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0724 SAMPLE ID: CV0724A-CS-SP

SAMPLE COLLECTION TIME: 1355

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard.

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0724A

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>]	Instrument #:	<u>020168</u>	Logged?	Y or N
Aliquot #1:	Latitude:	<u>33.56153740</u>	N Longitude	<u>86.79855477</u>	W
	Media description:	<u>Brown soil</u>			
Aliquot #2	Latitude:	<u>33.56155291</u>	N Longitude	<u>86.79850768</u>	W
	Media description:	<u>Same</u>			
Aliquot #3:	Latitude:	<u>33.56159939</u>	N Longitude	<u>86.79849506</u>	W
	Media description:	<u>Same</u>			
Aliquot #4:	Latitude:		N Longitude		W
	Media description:	<u>BP</u>			
Aliquot #5:	Latitude:		N Longitude		W
	Media description:				

STATION ID: CV0724 SAMPLE ID: CV0724B-CS-SP

SAMPLE COLLECTION TIME: 1335

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard.

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0724B

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>]	Instrument #:	<u>020168</u>	Logged?	Y or N
Aliquot #1:	Latitude:	<u>33.56161151</u>	N Longitude	<u>86.7987521</u>	W
	Media description:	<u>Brown soil</u>			
Aliquot #2	Latitude:	<u>33.56156295</u>	N Longitude	<u>86.79827487</u>	W
	Media description:	<u>Same</u>			
Aliquot #3:	Latitude:	<u>33.56158671</u>	N Longitude	<u>86.79821988</u>	W
	Media description:	<u>Same</u>			
Aliquot #4:	Latitude:	<u>33.56156409</u>	N Longitude	<u>86.79818505</u>	W
	Media description:	<u>Same</u>			
Aliquot #5:	Latitude:	<u>33.56161419</u>	N Longitude	<u>86.79817949</u>	W
	Media description:	<u>Same</u>			

(b) (6)

ADDRESS: _____ PROPERTY ID: FMO167

DATE: 3/1/12 ARRIVAL TIME: 0815

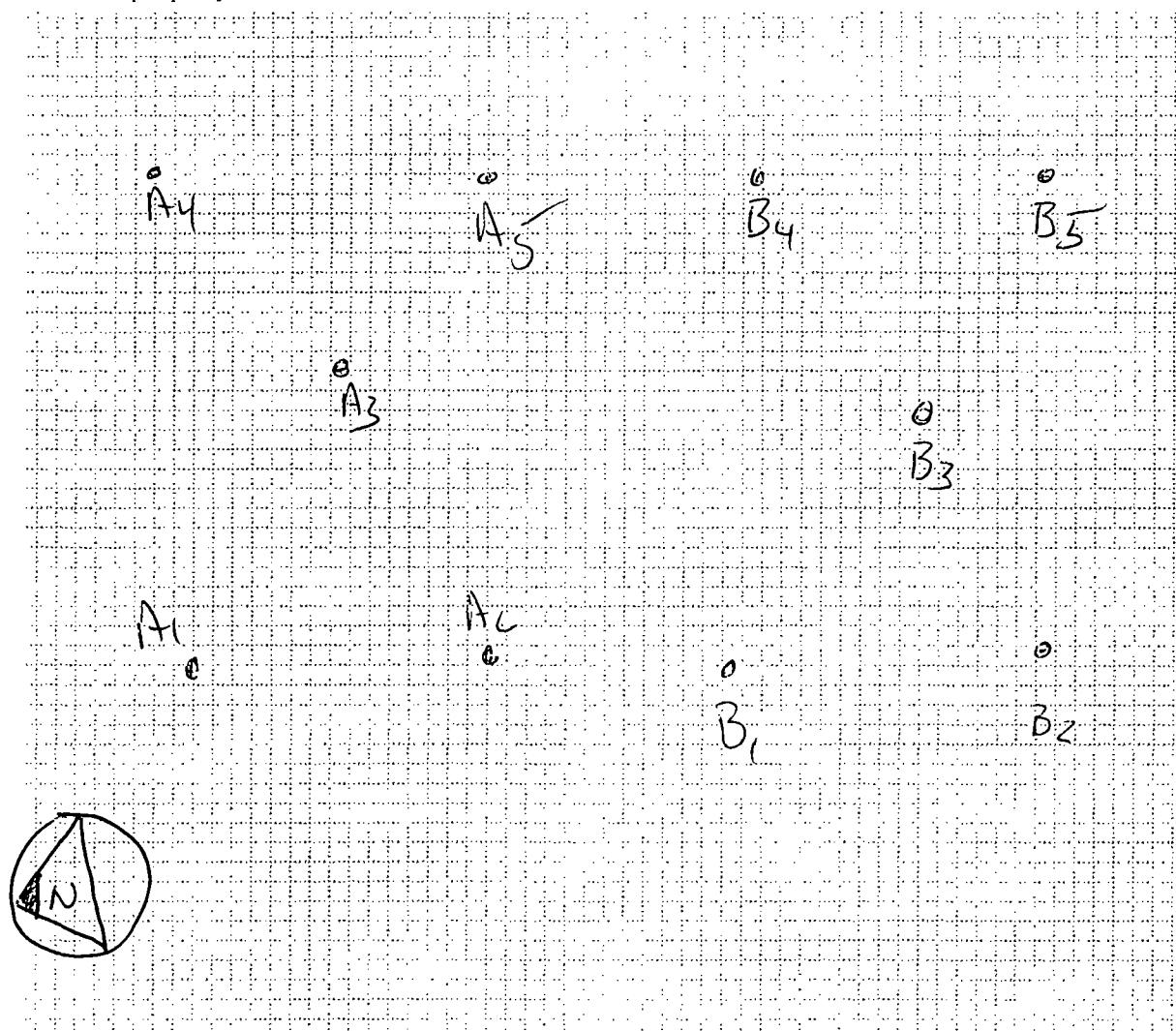
Other pertinent information (weather conditions, etc.):

40° cold

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: Fm 0167 SAMPLE ID: FM 0167A-CS

SAMPLE COLLECTION TIME: 0825

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

East Side of Parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude:	<u>33,56939768</u>	N Longitude <u>86,80752514</u> W
	Media description:	<u>Brown clay</u>	
Aliquot #2	Latitude:	<u>33,56939754</u>	N Longitude <u>86,80763209</u> W
	Media description:	<u>Brown soil</u>	
Aliquot #3:	Latitude:	<u>33,56929378</u>	N Longitude <u>86,80757561</u> W
	Media description:	<u>Brown soil</u>	
Aliquot #4:	Latitude:	<u>33,56918520</u>	N Longitude <u>86,80752908</u> W
	Media description:	<u>Brown clay</u>	
Aliquot #5:	Latitude:	<u>33,56918901</u>	N Longitude <u>86,80762085</u> W
	Media description:	<u>Brown soil</u>	

STATION ID: Fm 0167 SAMPLE ID: FM 0167B-CS

SAMPLE COLLECTION TIME: 0840

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

West side of Parcel

Collection: Composite or Grab

MS/MSD? Y or N

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude:	<u>33,56940081</u>	N Longitude <u>86,80767933</u> W
	Media description:	<u>Sandy Clay Light Brown</u>	
Aliquot #2	Latitude:	<u>33,56940383</u>	N Longitude <u>86,8772668</u> W
	Media description:	<u>Sandy Clay Light Brown</u>	
Aliquot #3:	Latitude:	<u>33,56926824</u>	N Longitude <u>86,80769481</u> W
	Media description:	<u>Brown clay</u>	
Aliquot #4:	Latitude:	<u>33,56918465</u>	N Longitude <u>86,80767183</u> W
	Media description:	<u>Brown clay</u>	
Aliquot #5:	Latitude:	<u>33,56918098</u>	N Longitude <u>86,80773585</u> W
	Media description:	<u>Brown clay</u>	

(b) (6)

ADDRESS: _____ PROPERTY ID: FM 0246

DATE: 3/1/13 ARRIVAL TIME: 08'5

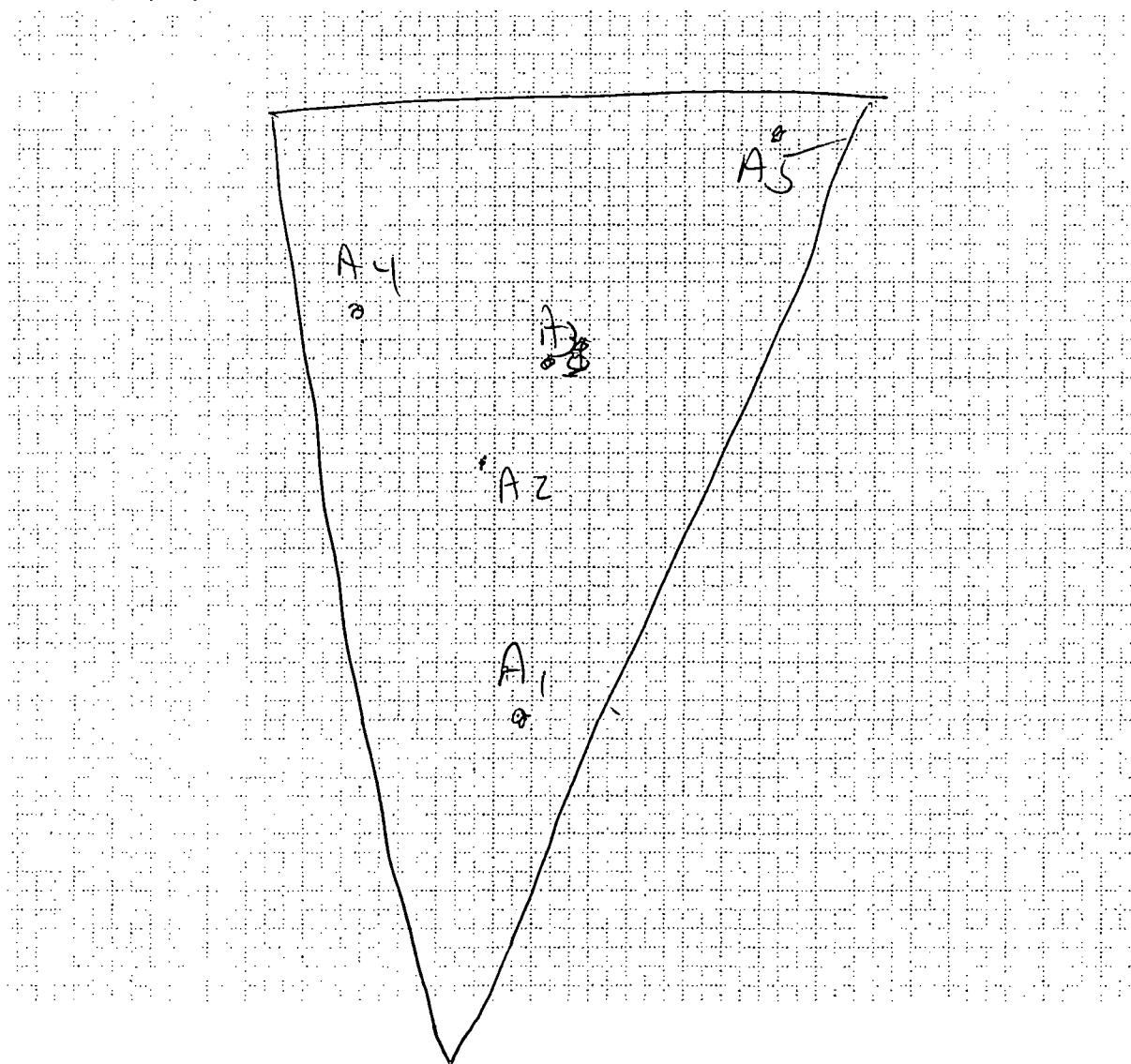
Other pertinent information (weather conditions, etc.):

40° cold

PROPERTY COMMENTS:

Empty Parcel 1

Grid for property sketch



STATION ID: FM0246 SAMPLE ID: FM0246A-CS

SAMPLE COLLECTION TIME: 0900

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Center of Parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude:	<u>33.56934405</u>	N Longitude <u>86,80783249</u> W
	Media description:	<u>Dark Brown silty clay</u>	
Aliquot #2	Latitude:	<u>33.56929543</u>	N Longitude <u>86,80780144</u> W
	Media description:	<u>Same</u>	
Aliquot #3:	Latitude:	<u>33.56923287</u>	N Longitude <u>86,80782803</u> W
	Media description:	<u>Same</u>	
Aliquot #4:	Latitude:	<u>33.56919254</u>	N Longitude <u>86,80780097</u> W
	Media description:	<u>Same</u>	
Aliquot #5:	Latitude:	<u>33.569120609</u>	N Longitude <u>86,80787659</u> W
	Media description:	<u>Same</u>	

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection:	Composite	or	Grab	MS/MSD? Y or N
Field Duplicate or Split:	Yes	or	No	If yes, indicate Duplicate/split sample station ID: _____
GPS Coordinates:	Trimble <input type="checkbox"/>	Instrument #:	_____	Logged? Y or N
Aliquot #1:	Latitude:	_____	N Longitude	_____ W
	Media description:	_____		
Aliquot #2	Latitude:	_____	N Longitude	_____ W
	Media description:	_____		
Aliquot #3:	Latitude:	_____	N Longitude	_____ W
	Media description:	_____		
Aliquot #4:	Latitude:	_____	N Longitude	_____ W
	Media description:	_____		
Aliquot #5:	Latitude:	_____	N Longitude	_____ W
	Media description:	_____		

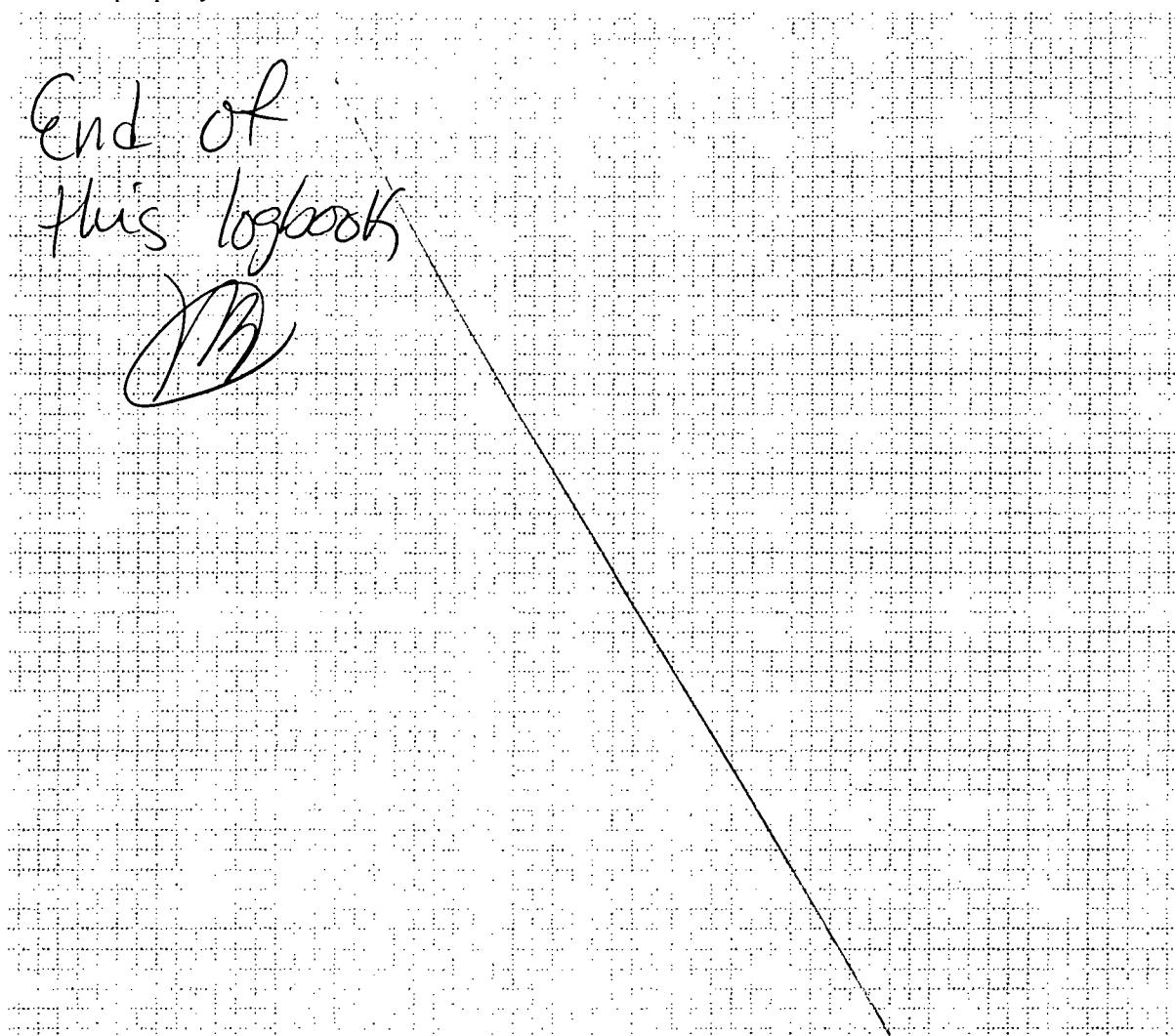
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



The remaining pages in this logbook are
blank and have not been scanned.